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Strategically Planning Avionics Laboratory's Facilities for the Future

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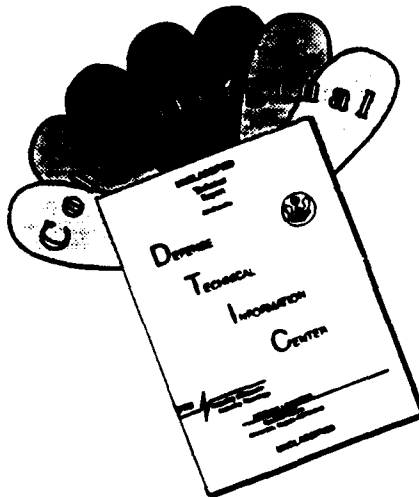
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LOGISTICS MANAGEMENT INSTITUTE

Strategically Planning Avionics Laboratory's
Facilities for the Future

Executive Summary

The Avionics Laboratory at Wright-Patterson Air Force Base is one of this country's leading research and development centers for aircraft electronics. Performance of its highly technical mission depends on the effective utilization of all the resources at its disposal, including its facilities. Avionics Laboratory's success depends on having the right quantity and types of space available for its research activities when and where they are needed.

The Logistics Management Institute (LMI) helped the Avionics Laboratory establish a multiyear strategy for improving its facility utilization nearly 7 years ago. That plan, which is still being implemented today, is now outdated. Changes to research programs, organizational structure, and staffing at the Avionics Laboratory have significantly changed the requirements for space, and reductions in its military construction funding and subsequent changes in project scope and schedule have reduced its new construction to 90,000 gross square feet which must now be built in two phases. As a result of these changes, LMI was asked to create new configuration plans and implementation strategies for both construction phases, which are scheduled for completion in FY95 and FY97.

The primary justification for Phase I construction was to consolidate and integrate as much of the Avionics Laboratory's separated research activities as possible into Building 620. The total space requirement for all those research activities that need to be in Building 620 is 218,695 net square feet, but Building 620 has only 203,895 net square feet available. Thus, at the end of Phase I construction in FY95, the space deficit will be 14,800 square feet. Although Phase II construction will add another 20,000 net square feet to the building, three modular buildings near Building 620 must be removed at the same time (part of the justification for Phase II construction), and that will create a net loss of 14,860 square feet from space available to Avionics Laboratory activities. Also during that time, Avionics Laboratory's space requirements are expected to increase by about 2,000 square feet; therefore, even with the Phase II construction, its space shortage will only be reduced from 14,800 to 9,660 square feet.

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While these Phase I and Phase II space deficits appear large, they are not altogether unmanageable. We recommend that Avionics Laboratory take the following three actions to manage and mitigate the impact of this deficit:

- ◆ *The Avionics Laboratory should implement the proposed facility layout and reconfiguration strategy.* However, that strategy must be continually reviewed and updated as changes occur to Avionics Laboratory's mission, organization, and the staffing. Each of those components has a direct and immediate impact on Avionics Laboratory's requirement for space and, as a result, the recommended space configurations. The Avionics Laboratory must expect change and plan for it.
- ◆ *The Avionics Laboratory should adopt a computer-aided space management system to improve the in-house management of its facilities.* In preparing this strategic facility plan, LMI developed and used a space management model to analyze the large quantity of data. Avionics Laboratory should begin managing its space using the supporting facility requirements and inventory data bases, and computer-aided drafting files. LMI will continue to provide the needed training and support during Avionics Laboratory's transition to in-house management of its space.
- ◆ *Avionics Laboratory should establish a space management working group.* An empowered committee comprising members of each major operating division (chaired by the Avionics Facilities Branch) should be established to develop Avionics Laboratory space management policy and to review and approve changes to its current and proposed allocation and configuration of space. The recommended space allocations and configuration should set the baseline for any future decisions.

Adopting these recommendations will ensure that, in the future, Avionics Laboratory personnel will be able to manage their own facilities better by more effectively responding to changing mission, space inventories, and space needs.

Contents

| | |
|--|-----|
| Executive Summary | iii |
| Chapter 1. Introduction | 1-1 |
| Background | 1-1 |
| Avionics Laboratory Organization | 1-3 |
| Study Methodology | 1-3 |
| Report Organization | 1-6 |
| Chapter 2. Space Inventory and Occupancy | 2-1 |
| Current Space Inventory | 2-1 |
| Building 620 | 2-1 |
| Proposed Building 620 Additions | 2-4 |
| Phase I Construction | 2-6 |
| Phase II Construction | 2-6 |
| Buildings 4A, 4B, and 4F | 2-6 |
| Buildings 18F and 23 | 2-7 |
| Building 22 | 2-7 |
| Building 22B | 2-7 |
| Building 146 | 2-8 |
| Building 622 | 2-8 |
| Modular Buildings A, B, and C | 2-8 |
| Current Facility Occupancies | 2-8 |
| Chapter 3. Space Requirements | 3-1 |
| Avionics Laboratory Space Program | 3-1 |
| Office Space Requirements | 3-3 |
| Laboratory Space Requirements | 3-3 |
| Support Space Requirements | 3-4 |
| Secondary Circulation | 3-5 |
| Public Space Requirements | 3-5 |
| Proximity Requirements | 3-5 |

Contents (Continued)

| | |
|--|----------------|
| Chapter 4. Recommended Space Configurations and Implementation Plans | 4-1 |
| Building 620 Space Requirements | 4-1 |
| Avionics Laboratory Space Summary | 4-1 |
| Phase I Space Shortage Solution | 4-4 |
| Phase II Space Shortage Solutions | 4-5 |
| Space Allocation Objectives | 4-5 |
| Consolidating into Building 620 | 4-5 |
| Minimizing Disruptive Laboratory Relocations | 4-6 |
| Satisfying Primary Proximity Requirements | 4-6 |
| Matching High-Value Activities with High-Cost Floor Space | 4-6 |
| Allocating Shortfalls Fairly | 4-7 |
| Configuring Phase I Construction to Minimize Disruption During Phase II Construction | 4-7 |
| Recommended Building 620 Configuration | 4-8 |
| Implementation Strategy | 4-10 |
| Chapter 5. Recommendations | 5-1 |
| Managing a Changing Facilities Environment | 5-1 |
| Implementing the Phased Expansions | 5-1 |
| Computer-aided Space Management | 5-2 |
| A Facilities Space Working Group | 5-2 |
| Manage the Facility Space Records of the Avionics Laboratory | 5-3 |
| Establish Space Standards and Policies | 5-3 |
| Verify Requests for Change | 5-3 |
| Recommend Allocations and Reallocations of Facilities Space | 5-4 |
| Maintain Space Discipline | 5-4 |
| Coordinate and Comment on Facility Plans | 5-4 |

Contents (Continued)

| | |
|--|-----|
| Keep Management and Staff Fully Informed of Facilities Issues | 5-4 |
| The Working Group's Procedures | 5-5 |

Appendix A. Avionics Laboratory Organizational Charts

Appendix B. Existing Building 620 Occupancy and Floor Plans

Appendix C. Existing Space Inventory

Appendix D. Avionics Laboratory Space Requirements

Appendix E. Proximity Requirements

Appendix F. Recommended Building 620 Space Configurations - Post
Phase I and II Construction

Appendix G. Step-by-Step Implementation Strategy

List of Figures

| | |
|--|-----|
| 1-1. Strategic Facilities Planning Model | 1-4 |
| 2-1. Avionics Laboratory Facilities Map | 2-2 |
| 2-2. Space Inventory by Building | 2-2 |
| 2-3. Building 620 Space Analysis | 2-3 |
| 2-4. Phased Building 620 Expansion Plan | 2-5 |
| 2-5. Current Avionics Laboratory Occupancy by Group | 2-9 |
| 4-1. Avionics Laboratory's FY95 Space Requirements | 4-2 |
| 4-2. Avionics Laboratory's FY95 Space Requirements | 4-2 |
| 4-3. FY95 Phase I Space Summary | 4-3 |
| 4-4. FY97 Phase II Space Summary | 4-3 |
| 4-5. Post-Phase I Space Surplus/(Deficit) by Division | 4-8 |
| 4-6. Post-Phase II Space Surplus/(Deficit) by Division | 4-9 |

Contents (Continued)

List of Tables

| | |
|---|-----|
| 3-1. Space Requirements by Division | 3-2 |
| 3-2. Office Space Standards | 3-3 |
| 3-3. Support Area Standards | 3-4 |

CHAPTER 1

Introduction

BACKGROUND

The Avionics Laboratory, a part of the Wright Laboratories,¹ is one of this country's leading research and development (R&D) centers for aircraft and support electronics. Located at Wright-Patterson Air Force Base (AFB), it supports the Air Force's broad R&D program through numerous exploratory and advanced development programs that involve systems for navigation, surveillance, reconnaissance, electronic warfare, fire control, weapon delivery, communications, system architecture, information and signal processing, subsystem integration, supporting electronics, and software research and development.

The Avionics Laboratory's mission-related responsibilities are highly technical and complex, and, to meet its research and cost objectives, it must effectively utilize all the resources at its disposal. In particular, its facilities are a resource that, if utilized efficiently, can lead to lower occupancy costs by reducing the operations and maintenance of occupied space, lower renovation costs by avoiding unnecessary changes to existing space, and lowering major construction costs by eliminating the need for new laboratory facilities. Even more important, facilities can improve the Avionics Laboratory's operational productivity if they are designed and configured to support the research mission, personnel, and activities effectively. Matching facilities to mission needs plays an important role in the success of the Avionics Laboratory — the right kind of facilities in the right quantity must be in the right place at the right times.

Currently, the Avionics Laboratory employs more than 1,000 engineering and support professionals and occupies and manages almost 600,000 gross square feet (close to 370,000 net usable square feet) housed at 11 distinct facilities, used as laboratory, office, and support space.² The Avionics Laboratory is operating under a plan that will consolidate several of its currently isolated activities into its primary research facility, Building 620. The consolidation of research activities will reduce the total amount of space occupied, improve communications among researchers, simplify logistics, and eliminate crucial experimental data transmission delays caused when on-line equipment is separated by as much as a mile. The plan — now nearly 7 years old — initiated two new major

¹Wright Laboratories is located at Wright-Patterson AFB near Dayton, Ohio, and is part of the Aeronautical Systems Division (ASD) of the Air Force Systems Command (AFSC).

²Gross square footage refers to a facility's total space bounded by the outer face of the exterior walls; net usable square footage refers to the space in a facility that can actually be occupied. Net usable space equals the gross space minus the core spaces (mechanical rooms, restrooms, vertical penetrations, janitor closets, etc.) and primary circulation corridors.

military construction (MILCON) projects, which, when completed, will add nearly 90,000 gross square feet to Building 620 and will permit the Avionics Laboratory to consolidate its research activities. Plans call for the construction to take place in two separate phases – referred to in this report as Phase I and Phase II construction. (Chapter 2 presents details on the anticipated construction and its completion schedules.)

Through a series of previous research efforts,³ the Logistics Management Institute (LMI) has been actively involved in the Avionics Laboratory's space planning and facility configurations. Many of LMI's recommendations have been implemented over the past 7 years, but many of the conditions that led to those recommendations are now outdated. For example, Avionics Laboratory's research mission and program areas have changed – some have been phased out and others have arisen. As mission areas changed so too did the staffing and organizational alignment of some Avionics Laboratory activities. Changes to mission areas and staffing, of course, mean changes in the requirements for office, laboratory, and support space. Additionally, the Avionics Laboratory's inventory of facilities and space available for their occupancy is not the same as it was 7 years ago, and recently, because of reduced MILCON funding levels, the scope of both Phase I and Phase II construction projects will result in lower gross square footage in Building 620 than was originally anticipated. Thus, all the recent changes to those factors that influence the proposed configuration of the Avionics Laboratory's facilities (especially Building 620) mean that the current blueprint the Avionics Laboratory is using to plan its future facility configuration may no longer be applicable. Therefore, the allocation of space to each Avionics Laboratory activity and the configuration of existing and future facilities (after Phases I and II construction) should now be revisited to answer the following questions:

- ◆ Do Avionics Laboratory facilities currently meet its mission needs and are the current layout and reconfiguration plans still acceptable?
- ◆ What affect does the starting of new programs and the ending of old programs have on Avionics Laboratory facilities?
- ◆ What are the Avionics Laboratory's true requirement for space, and will those requirements be satisfied after both construction phases are complete?
- ◆ How should Avionics Laboratory facilities be configured to best support its mission after both phases of the proposed construction are complete, and how can the Avionics Laboratory facilities best make the transition from their current state to the proposed layouts?

This study addresses those questions and presents the Avionics Laboratory with a detailed configuration and implementation plan for Building 620 after Phase I and Phase II construction is complete. While this study's methodology is

³LMI Report AF502, *Avionics Laboratory Configuration and Implementation Plans*, Douglas K. Ault and David Fagen, February 1986. LMI Report AF602, *Avionics Laboratory Phased Construction Plan*, Douglas K. Ault and Richard W. Menge, August 1986.

Phase I and Phase II construction is complete. While this study's methodology is based on LMI's previous efforts, it takes a modern look at Avionics Laboratory space requirements, its current inventory of space, its mission, and changes to current and proposed MILCON, and provides fresh answers about the allocation and configuration of space in the Avionics Laboratory's primary research facility, Building 620.

AVIONICS LABORATORY ORGANIZATION

The name "Avionics Laboratory" has come to mean that portion of the Wright Laboratories that supports its avionics mission areas and, organizationally, consists primarily of the Avionics Directorate (AA) and the Solid State Electronics Directorate (EL). In addition to AA and EL, other Wright Laboratories elements provide needed administrative, computer, security, and contracting support to ensure its efficient operation. Those other elements provide essential administrative functions and should be located proximate to the Avionics Laboratory activities they support. Therefore, since those groups currently occupy space in the Avionics Laboratory and will need space in future Avionics Laboratory layouts, we have included them in this study. Appendix A shows the organizational placement of AA and EL in Wright Laboratories along with their detailed organization charts. A complete listing of all the other Wright Laboratories organizations involved in this study are also highlighted.

STUDY METHODOLOGY

The Avionics Laboratory asked LMI to develop an improved facility configuration for Building 620 through both phases of planned construction and to prepare an implementation plan that would enable their facilities to make the transition from the current configuration to the one proposed. To do the task right, we adopted a strategic facilities planning model that establishes a relationship between the Avionics Laboratory's mission objectives and its facility objectives. The model takes into account changes in the Avionics Laboratory's business needs that have a direct affect on space needs. The Avionics Laboratory's space requirements, space inventory, planning criteria, organizations and staffing, and mission areas change frequently; our goal was to create a dynamic model that provides us the flexibility we need to adjust space allocations, configurations, and implementation plans as changes occur. Our methodology and strategic facilities planning model can be adopted by Avionics Laboratory space planners so that, in the future, its space can be managed in house. Figure 1-1 illustrates the strategic facilities planning model along with its primary inputs - an understanding of the existing state of Avionics Laboratory's facilities, "where you are," and the desired results, "where you want to be."

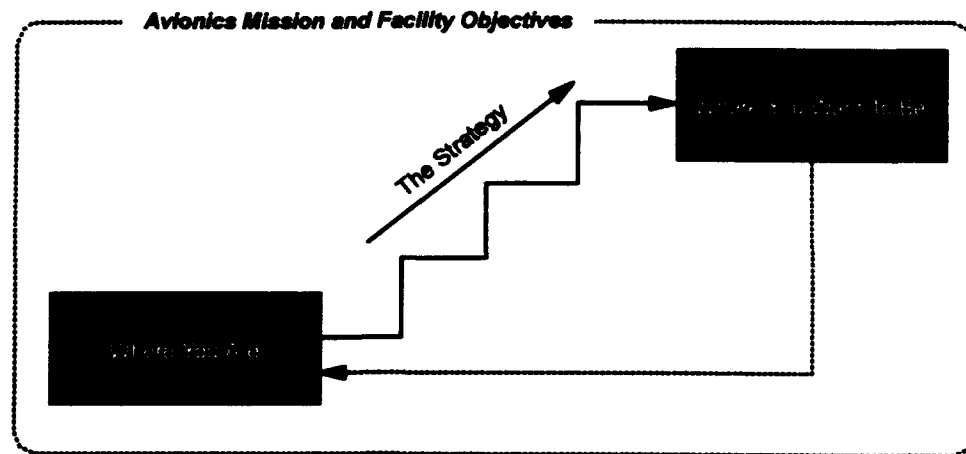


Figure 1-1.
Strategic Facilities Planning Model

"Where you are" is defined by a comprehensive inventory of existing Avionics Laboratory facility resources that includes the following:

- ◆ Quantity of space
- ◆ Types of space (laboratory, office, support, and public)
- ◆ Current occupancies of that space by group
- ◆ Planned increases or decreases to current space assets.

"Where you want to be" is defined by a comprehensive description of Avionics Laboratory's requirements for space, including the following:

- ◆ Quantity of space needed by each group today and in the future
- ◆ Functional relationships among all organizational activities and support areas
- ◆ Anticipated changes in program areas.

On the basis of all of those factors, the model provides a facility configuration that improves the Avionics Laboratory's productivity and that shows the amount and location of space by type for each group.

The difference between the existing facility baseline and the desired facility results defines the series of steps or the "strategy" that will be followed to achieve those goals. The model is constrained by the Avionics Laboratory's business and facility objectives, such that only those facility requirements that are consistent with standing mission and facility objectives need be considered. The

model is also cyclic and dynamic — as the strategic steps are realized, a new baseline (where you are) is formed, and, as the space planning goals change (which is particularly likely in an R&D environment), the most effective strategy to achieve those goals also will probably change. As a result, the model is constantly updated, the desired goals are frequently being reformulated, and the old strategies are abandoned in favor of new strategies that attempt to achieve those goals in the changing environment.

At the Avionics Laboratory, we began the strategic facilities planning process through a series of interviews to determine each AA and EL activity's mission. We then inventoried all Avionics Laboratory space by type (office, laboratory, or support) and by group to gain a full understanding of the existing conditions at each of their 11 facilities. How much space did the Avionics Laboratory currently occupy? What type of space was it? What groups were in it?

Next, we employed a bottom-up approach to calculate the space requirements for each AA and EL activity (plus miscellaneous other Wright Laboratories activities) needing space in Building 620. Existing space requirements were developed for office, laboratory, and support spaces and were subsequently forecast for future years (1994, 1995, 1997, and 1999). Activities that interact frequently or transfer a high volume (or high value) of product or information among them should be located proximate to each other to improve productivity. From those intergroup and intragroup relationships, we developed a comprehensive set of proximity requirements that establish which groups need to be close to other groups and which groups had a negative impact on other groups (for example, a negative impact would occur if executive offices were placed next to a noisy laboratory or cafeteria).

With all the space inventory and space requirements information, our next step was to determine the best configuration for Building 620 — how much space does each group get by type and where is that space best located to maximize productivity to its research mission? To facilitate our analysis and give us the flexibility we needed to react to anticipated changes, we input all space inventory, space requirements, office size standards, and proximity requirements into a space management software program called *FM:Space Management*⁴. At the same time, we loaded all the Building 620 floor plans for the existing, Phase I, construction and Phase II construction plans into a computer-aided design and drafting (CADD) package to get a graphical representation of the existing and later the proposed floor plans. The industry standard *AUTOCAD*TM was used. By integrating the two separate packages, we achieved a computer-aided space management system that allowed us to manipulate the data, draw comparisons between existing and required space, and query the data base to generate the needed information to begin answering the key questions. We could then quickly, efficiently, and accurately develop alternative solutions and scenarios for satisfying the Avionics Laboratory's space needs. The quantification allowed us to score, set priorities, and perform sensitivity analyses on optional solutions so that we could select the alternatives best suited to the Avionics Laboratory. Once an optimal configuration was determined, we were able to develop the

⁴ *FM:Space Management*, Version 4.0. FM:Systems, Raleigh, N.C.

strategy that would achieve that configuration through a series of executable steps using a critical path network.

REPORT ORGANIZATION

The remainder of this report follows the same logical sequence outlined in the above study methodology. Chapter 2 lays out our findings on the Avionics Laboratory's existing inventory of space and contains a number of graphics and tables that inventories the square footage available for occupancies by type of space and the current occupancies by group. That chapter also shows the phased new construction schedule for the Building 620 additions and how much and when new space will be completed and available for occupancy. Chapter 3 describes the methodology used to develop the detailed space requirements for Avionics Laboratory organizations and then summarizes those requirements for each of those organizations. The requirements are summarized by office, laboratory, and support space needs and are given for the present and future years (1994, 1995, 1997, and 1999). In Chapter 4, the recommended allocation and configuration of Avionics Laboratory's space in Building 620 is illustrated after both Phase I and Phase II construction is complete. In those chapters, we present a summary of the space analysis that compares space requirements to inventory, reasons for the space shortages, and recommended solutions for satisfying the shortfalls. CADD drawings that illustrate the proposed solutions are presented in the appendices along with the implementation strategies that will achieve the desired facility layouts. Finally, in Chapter 5, we submit additional conclusions and recommendations for improving space management at the Avionics Laboratory. Those long-term planning recommendations will show Avionics Laboratory space planners and managers how to take a more proactive stance for managing all of Avionics Laboratory space now and in the future.

CHAPTER 2

Space Inventory and Occupancy

Space inventory is one of the basic measures used in the strategic facilities planning methodology for this study. It describes in detail all the existing Avionics Laboratory facility resources and establishes the baseline against which all future changes will be measured. That baseline will be used to determine the feasible future configurations and the impact resulting changes caused by renovations, relocations, and disruption will have on existing operations. This chapter describes Avionics Laboratory's current inventory of space and shows how much space it currently occupies, the type of space in its inventory (laboratory, office, or support), and what groups currently occupy it.

CURRENT SPACE INVENTORY

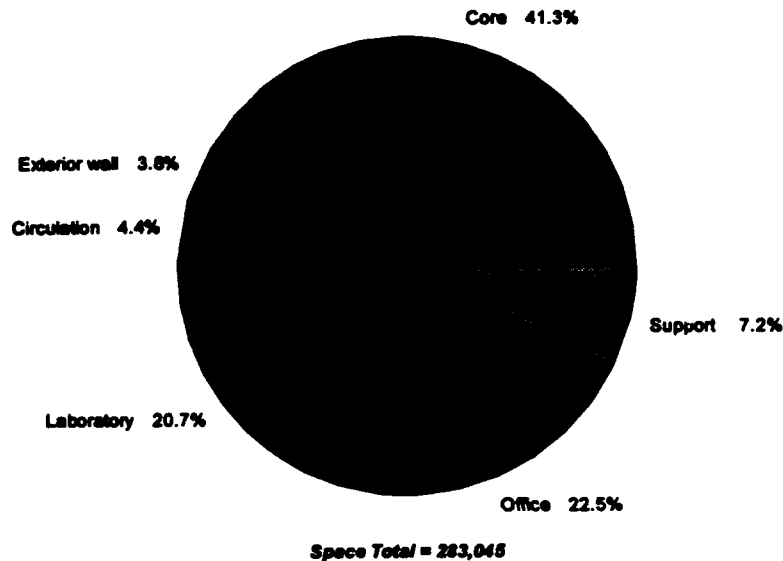
Various Avionics Laboratory research activities are located at 10 different facilities on Wright-Patterson AFB. Figure 2-1 illustrates their relative locations on the base, and Figure 2-2 presents their gross and net usable space by building. While this study's primary objective is an effective configuration and implementation plan for Building 620 only, an inventory of all the current facilities is important because many of the new space requirements imposed on Building 620 will come from other facilities. Furthermore, not all of the Avionics Laboratory's space needs can or will be satisfied in Building 620 alone. Thus, based on an understanding of the physical capabilities of those other buildings and associated costs for relocating their research activities, we can determine which buildings are more cost-effective to keep and which can readily be vacated.

The following subsections present the important factors concerning the entire inventory of buildings currently occupied by AA and EL activities. Far more detailed information is presented on Building 620 since it is the primary focus of this study.

Building 620

Building 620, as the Avionics Laboratory's primary research facility, was specifically designed for its current R&D mission. Figure 2-2 shows that the individual floors, basement, and tower areas of Building 620 currently provide 283,045 gross square feet and 155,270 net usable square feet. The layouts of each floor along with Avionics Laboratory groups that occupy that space are presented in Appendix B.

Since Building 620 was designed exclusively for R&D, it necessarily has a high percentage of mechanical, primary circulation, core, and exterior wall areas (45 percent) to support its clean room facilities; heating, ventilation, and air conditioning (HVAC); and electrical systems and the essential flow of equipment and materials throughout the facility. While such a high percentage of unusable-to-usable space would certainly be inappropriate for office buildings, facilities designed for R&D can be expected to be that high. Figure 2-3 further breaks out the type and quantity of space in Building 620.



Note: Circulation = secondary circulation; Core = primary circulation, vertical penetrations, mechanical rooms, restrooms, janitor closets, and all other nonallocated spaces.

Figure 2-3.
Building 620 Space Analysis

Most of the space in Building 620 has been specially designed and constructed for use as laboratories at a relatively high cost. However, since laboratories must be supported by the people who work in them, a large percentage of the usable space in the Building 620 laboratory area is utilized as office and support areas (conference rooms, equipment storage rooms, file rooms, and computer workrooms, for example) because of the shortage of any space designed specifically for offices. Figure 2-3 shows that the usable space is now divided into laboratories (20.7 percent, or about 58,600 net usable square feet), offices (22.5 percent, or about 63,800 net usable square feet), and support areas (7.2 percent, or about 17,000 net usable square feet).

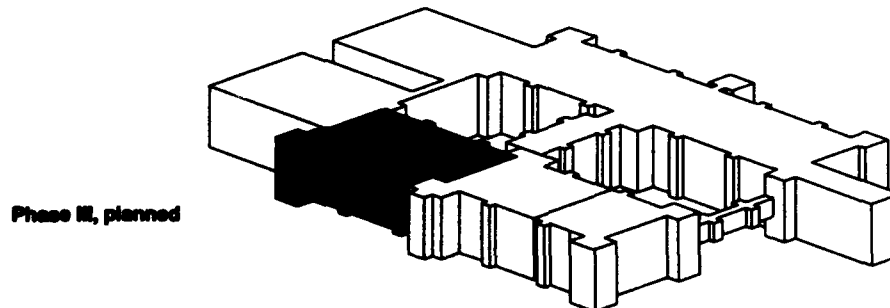
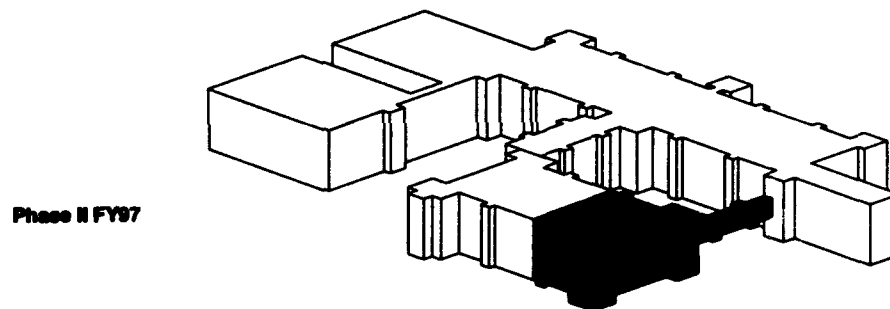
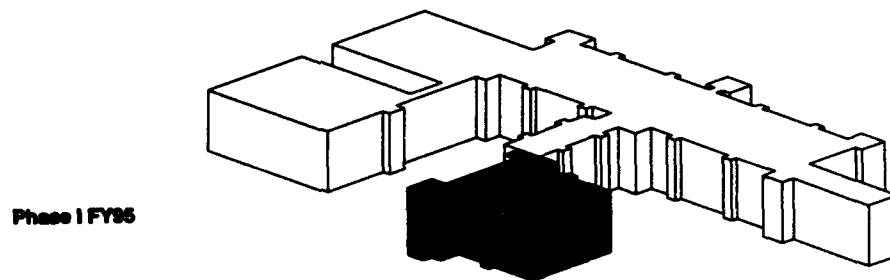
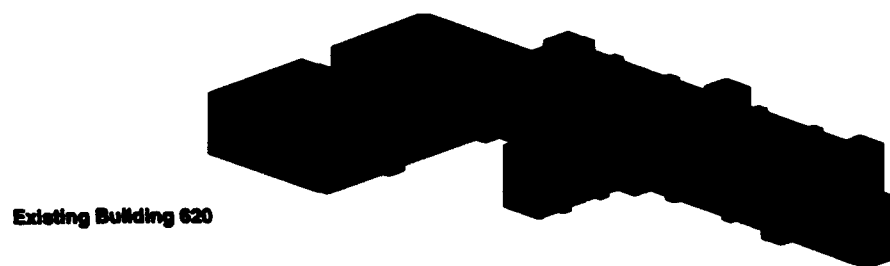
Many of the existing research laboratories in Building 620 have been constructed and specially configured to support specific research functions; for example, the Anechoic Chamber Laboratory, the Integrated Test Bed Laboratory, and various clean rooms. Some laboratories (including those just mentioned)

contain highly classified research and have special physical security elements constructed into the perimeter walls, electrical systems, HVAC ducts, and entry doors. The result is that most of the laboratory areas in Building 620 would be prohibitively expensive to relocate, expand, or reproduce elsewhere on the base or even elsewhere within Building 620.

The office areas in Building 620 are much easier to relocate. They have been constructed, for the most part, on the laboratory floor out of demountable partitions designed exclusively for the Building 620 raised floor grid system. Because the floor is built on a 4.5 foot by 4.5 foot floor tile grid system, the majority of the research engineer offices are either 81 square feet (2 by 2 floor tiles) or 121.5 square feet (2 by 3 floor tiles). Because Building 620 is, in general, overutilized, the current office areas are, by and large, overcrowded. The overcrowding has resulted in more and more engineers being forced into the 81-square-foot offices that many laboratory personnel feel are insufficient to accommodate a typical research engineer. Those engineers typically need one or even two personal computers or workstations, horizontal work surfaces, file cabinets, one or more security safes, and space to meet with at least one other person. However, providing the engineers any more space would have to come at the expense of critical laboratory area -- that which the building was specifically designed for and that which supports the primary mission activity of the Avionics Laboratory. The space shortage in Building 620 has also led to other inefficiencies. Divisions, branches, and groups claim that the space is not adequate for the meeting or conference rooms, filing space, reception areas, and copy rooms required to meet their needs. Chapter 4 illustrates how much shortfall is anticipated when Phases I and II construction are completed.

Proposed Building 620 Additions

Much of today's overcrowding in Building 620 was anticipated during LMI's previous studies some 7 years ago. The recommendations from those studies initiated a request for MILCON funding that would have given Building 620 an additional 150,000 gross square feet attached to the north side of the building. Subsequent MILCON program cuts first reduced that total to 135,000 and then to 90,000 gross square feet. Additional MILCON program reductions split the 90,000 square feet into two phases. Phase I construction was for 53,000 gross square feet at a cost of \$8.5 million; Phase II construction rounded out the gross space requirement with another 37,000 square feet at an estimated \$5.8 million. Construction of Phase I began in March of 1993 and is scheduled to be complete in about 20 months, or near the beginning of FY95. The Phase II design is at about the 90 percent complete stage, and it is slated for the FY94 MILCON program; if everything goes according to plan, it will be completed by the beginning of FY97. As of now, a Phase III construction plan for another 60,000 gross square feet is being held in the FY96 MILCON program, but the justification for that phase depends in part upon the recommendations of this report. Figure 2-4 shows the planned expansion of Building 620 as a result of the anticipated phased construction schedule.



Note: All phased construction is for a basement and other floors.

Figure 2-4.
Phased Building 620 Expansion Plan

PHASE I CONSTRUCTION

Changes to the original Phase I construction design will result in 53,000 gross square feet being added to Building 620 in early FY95. The Phase I addition, which was justified and subsequently designed as general-purpose office area, will provide about 33,800 more net usable square feet. The new space can only be used as office and general-purpose space and cannot support research laboratory activity.

Since the final design phase, the Phase I layout has been "locked in." However, since that time, some of the AA divisions and branches that were scheduled to occupy the new space have been reorganized with accompanying staffing changes. Thus, the Avionics Laboratory faces a situation in which the space designed for those groups in the Phase I addition no longer exactly meets their needs. After the Phase I construction is complete, some minor reconfiguration of the movable interior partitions may be necessary.

PHASE II CONSTRUCTION

Phase II construction was to add about 37,000 gross square feet to Building 620 and, until recently, would have provided another 27,000 net usable square feet of general-purpose office space. However, a last-minute design change will reduce the usable space to approximately 22,000 net usable square feet. Like Phase I space, the Phase II space has been designed for general-purpose office use and will not be suitable for research laboratories. Right now, Phase II is expected to be complete in the middle of FY96, but slippage in the MILCON program or construction may delay the completion date until FY97 or later.

Buildings 4A, 4B, and 4F

Buildings 4A, 4B, and 4F are three parts of a former aircraft hangar complex. The space has been converted to house some of the Avionics Laboratory's research activities, including laser laboratories, a radar range, and anechoic chambers. Those activities have been located there because of a need for high bay space and the need to be near a flight line where aircraft can pull up for testing. Those laboratories are operated by the Exploration Group (AAWP-2) and Electro-Optics Group (AAWP-3), but a recent major rehabilitation project added office and support space within the hangar complex, and, by June 1993, it will also accommodate the Passive Electronics Countermeasures (AAWP) Branch and the ESM Technology Group (AAWP-1). Those groups will be relocated from Building 620 when the renovations to Buildings 4A, 4B, and 4F are complete and, at that time, all of the AAWP Branch will be consolidated in that facility. The high bay requirement, the need for large open areas, and the need to be near the flight line make it cost-prohibitive and unlikely that the functions currently in Buildings 4A, 4B, and 4F will ever move to Building 620 as part of the AA consolidation.

Buildings 18F and 23

The space in Buildings 18F and 23 is dedicated to high-technology laboratories shared by two Mission Avionics Division (AAR) branches – Target Recognition Technology Branch (AARA) and the Sensor Evaluations Branch (AARF). Most of the space is occupied by AARF's Dynamic Analyzer Laboratory, SEQUEL Laboratory, and SDSA Laboratory and AARA's Model Based Vision Laboratory. The remainder of those buildings serve as laboratory support, storage, and general office space for both branches' laboratories. Neither research activity is ever likely to be moved to Building 620 since the 52,000-pound dynamic analyzer equipment would cost \$6 million to \$7 million to move. The equipment requires a high bay facility and must be secured with bed rock anchors that would be very expensive to duplicate elsewhere. The other laboratories in the buildings support the dynamic analyzer and should not moved independently because it would require those facilities to be duplicated.

Building 22

Building 22 is a large two-story building and old hanger facility that houses a number of the AA administrative and office functions and some laboratories. The AA head office, parts of AAR, all of the Management Operations Division (AAO), and several supporting Wright Laboratories activities are all located in the building. The space occupied by those groups is more than adequate, and office sizes are typically larger than the office standards established for this study. The Avionics Laboratory top management has decided that all of the AA and supporting activities will be moved out of Building 22. Most will be relocated to Building 620, but the AAR Electro-Optics Branch (AARI) will be relocated to Building 622 to consolidate it with the other AARI groups. Primarily, the relocation to Buildings 620 and 622 is intended to improve the interaction between those research activities that are now separated, but it will also reduce the total amount of space occupied by AA groups and eliminate the need to operate and maintain Building 22.

Building 22B

Building 22B is occupied by EL's Electro-Optics Division (ELO) only. The Directorate is currently planning to move ELO into Building 620 to consolidate it with other EL functions already there and end the need for operating and maintaining a separate facility. Since the move is scheduled before Phase I of the Building 620 expansion project is completed, EL will have to accommodate most of the ELO activity within the space currently occupied by other EL activities in Building 620. By sharing laboratories, reducing office and support space, and consolidating certain functions, most of ELO's space requirements can be absorbed in Building 620. After the consolidation, EL will need about 2,500 more net usable square feet, and that need will likely remain unmet until Phase I construction is complete.

Building 146

Building 146 is not an AA or EL asset. The Cockpit Avionics Office (AAA-2) has been placed in that building to be collocated with the other Wright Laboratories functions that work on aircraft cockpits. The need for that collocation outweighs any need for AAA-2 to be consolidated with the rest of AA, and there are no plans to move that function from Building 146.

Building 622

Currently, two AARI groups are located in Building 622. The building was constructed around a 100-inch collimator, a large piece of equipment that would be extremely difficult and cost-prohibitive to move. The AAR division considers moving Building 622 functions into Building 620 a relatively low-priority event. Current new construction at Building 622 will add enough space to accommodate the other AARI activities currently in Building 22. The relocation will consolidate all of AARI in Building 622.

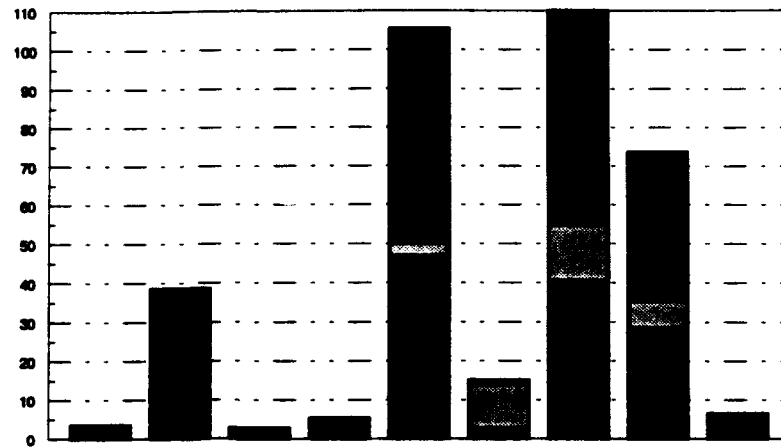
Modular Buildings A, B, and C

Three modular buildings - A, B, and C - were erected adjacent to Building 620 for temporary relief of some of the office space shortage in the main building. That temporary use has started to assume the look of permanence as the programmed expansions of Building 620 have been delayed. The current plan is to retain the three modular facilities until the Phase II construction is complete, and, at that time, abandon and remove them. The result of this study's space determination may justify the need to retain one or several of the modular facilities. However, even if they are needed, it is uncertain whether Avionics Laboratory will be allowed to renew the lease on those facilities.

CURRENT FACILITY OCCUPANCIES

Knowing what groups occupy the available space is equally important to knowing how much and what types of space the Avionics Laboratory currently occupies. Knowing current occupancies by group will help us to determine whether various groups currently occupy the amount and types of space they actually need. In Chapter 4 that information will help us fairly allocate the space that will become available when the Phase I and II construction projects are completed. Figure 2-5 shows how much and what type of net usable space each AA and EL division. Appendix C provides more detailed occupancy information for each division, branch, and group and identifies the specific laboratory, office, and support areas they occupy.

Thousands
of sq ft



| | AA | AAA | AAC | AAO | AAR | AAT | AAW | EL | Other |
|-------------------|-------|--------|-------|-------|---------|--------|---------|--------|-------|
| Office | 3,500 | 25,956 | 2,875 | 4,566 | 46,820 | 2,626 | 40,521 | 28,482 | 5,384 |
| Support | 0 | 1,084 | 0 | 775 | 3,385 | 11,405 | 14,317 | 7,016 | 1,051 |
| Laboratory | 0 | 11,571 | 0 | 0 | 55,295 | 1,053 | 66,737 | 38,198 | 0 |
| Total gross sq ft | 3,500 | 38,611 | 2,875 | 5,341 | 105,500 | 15,084 | 121,575 | 73,696 | 6,435 |

Figure 2-5.
Current Avionics Laboratory Occupancy by Group

CHAPTER 3

Space Requirements

The other important element of the Avionics Laboratory strategic facilities planning process is the development of the space requirements. They show how much space each AA and EL activity actually needs, and near what other groups or activities they should be located. How much space a group needs is determined by a detailed *space program* spanning a predetermined period of time. The space program addresses only that group's demand for space. The issue of where the group's space should be located is addressed through *proximity requirements*, which allow us to establish the relationship and relative importance of placing certain groups near others. This chapter addresses the *how much* and *where* issues by evaluating and calculating, using a bottom-up approach, AA's and EL's true space requirements.

AVIONICS LABORATORY SPACE PROGRAM

The space program says how much space each AA and EL activity needs. That space should not be confused with the amount of space a group already occupies (outlined in Chapter 2) since what is occupied often has little to do with what is needed. Because it is important to match the type and cost of floor space with similar type and value of mission-related activity, the space program calculates space requirements separately by type of space (office, laboratory, and support). Because several months to several years may be needed to change facilities through relocations, major renovations, or new construction, the group's space requirement must be reviewed over an extended period of time. That way, future space configurations can accommodate AA and EL groups' future space requirements. For instance, if you know that it will take at least a year to plan, budget, and execute a major renovation for several groups, it makes more sense to renovate that space according to the groups' future requirements rather than its current requirements. Using the current requirements will mean that when the renovation is complete, the completed space will likely not meet those groups' needs when the space is occupied.

For the Avionics Laboratory, we chose January 1993 as the existing baseline and January 1994, 1995, 1997, and 1999 as the space program's effective study period. The outyears 1995 and 1997 were selected because they are the expected completion dates of the Phase I and Phase II construction, respectively, and 1999 is the time frame that the Avionics Laboratory could reasonably expect any further construction, if it is needed, since it can take 6 to 7 years to plan, program, and budget new construction through the MILCON process.

Table 3-1 summarizes the space requirements (given as net usable square footage) for each AA and EL division for each year in the study period. The figures show each AA and EL divisions' total space requirements regardless of whether that space is located in Building 620 or any of the other Avionics Laboratory facilities. A more detailed analysis showing specific office, laboratory, and support space requirements for each AA and EL activity over the selected time period can be found in Appendix D.

Table 3-1.
Space Requirements by Division

| Activity | Jan. 1993 (sq ft) | Jan. 1994 (sq ft) | Jan. 1995 (sq ft) | Jan. 1997 (sq ft) | Jan. 1998 (sq ft) |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| AA | 2,415 | 2,415 | 2,415 | 2,415 | 2,415 |
| AAA | 45,220 | 45,645 | 45,760 | 45,990 | 46,105 |
| AAC | 2,634 | 2,634 | 2,634 | 2,634 | 2,634 |
| AAO | 4,233 | 4,233 | 4,233 | 4,233 | 4,233 |
| AAR | 107,817 | 108,542 | 108,542 | 107,967 | 107,967 |
| AAT | 16,526 | 16,526 | 16,526 | 16,526 | 16,526 |
| AAW | 123,979 | 128,526 | 128,526 | 128,526 | 128,526 |
| AA Total | 302,824 | 308,521 | 308,636 | 308,291 | 308,406 |
| EL* | 31,527 | 31,527 | 31,527 | 31,527 | 31,527 |
| ELA | 1,932 | 2,029 | 2,130 | 2,237 | 2,348 |
| ELE | 4,659 | 4,892 | 5,136 | 5,392 | 5,661 |
| ELM | 4,544 | 4,771 | 5,010 | 5,261 | 5,523 |
| ELO | 4,533 | 4,760 | 4,997 | 5,247 | 5,509 |
| ELR | 6,947 | 7,641 | 8,405 | 9,245 | 10,172 |
| EL Total | 54,142 | 55,620 | 57,205 | 58,909 | 60,740 |
| All others | 5,371 | 5,371 | 5,371 | 5,371 | 5,371 |
| Avionics Laboratory Totals | 362,337 | 369,512 | 371,212 | 372,571 | 374,517 |

Note: AAA = System Avionics Division; AAC = Financial Management Division; AAT = Avionics Technical Services Division; AAW = Electronic Warfare Division; ELA = Operations Division; ELE = Microelectronics Division; ELM = Microwave Division; and ELR = Research Division.

*Laboratory requirements for all EL divisions are included in the EL requirements.

The space requirement for each group shown in Table 3-1 and in Appendix D were developed using a bottom-up approach. That approach calculates specific space requirements differently depending on the type of space needed (i.e., office, laboratory, or support). The following subsections discuss the methods used for calculating the space requirements for each type. The information in Table 3-1 shows that little relative growth is anticipated for the Avionics Laboratory as a whole and that what little growth that does exist is

anticipated in the EL divisions. EL growth is expected from possible expansion in existing programs and anticipation of new programs coming to EL.

Office Space Requirements

Office space refers to the individual offices occupied by Avionics Laboratory employees. Therefore, the requirement for office space is directly proportional to the number, grade, and responsibilities of its employees. By applying an office space standard to each employee's classification and grade, we can calculate office space requirements. Since each AA and EL division maintains group-level staffing documentation, that head-count guidance can be used to develop the needed roster of existing personnel by job classification and grade. No growth to little growth in personnel was forecast over the period of study. However, the Avionics Laboratory had no office space standards so our first step was to establish them and have them approved through AA's management. Table 3-2 shows the space standards that were tentatively approved and used to calculate the office space requirement.

Table 3-2.
Office Space Standards

| Job description | Office space standard (sq ft) |
|--------------------------------|----------------------------------|
| Directorate Director | 300 |
| Division Director | 200 |
| Deputy Director | 200 |
| Chief Scientist | 300 |
| Program Manager | 150 |
| Branch Chief and Deputy | 150 |
| Group Chief | 120 |
| Engineer — Grade level 14 – 15 | 120 |
| Engineer — Grade level 11 – 13 | 100 |
| Engineer Technician | 80 |
| On-site Contractor | 70 |
| Visiting Professor or Student | 70 |
| Technical Advisor | 150 |
| Financial Analyst | 80 |
| Executive Secretary | 120 |
| Secretary | 80 |

Laboratory Space Requirements

Avionics Laboratory space refers to those areas in which R&D activity actually takes place and typically excludes those parts of laboratories in which

personnel have established quasi-office area. Since no space standards exist for R&D space, each laboratory requirement was handled on an individual basis, and each group was required to justify how much space individual laboratories required. We examined each laboratory area to assure the reasonableness of the requests. In several cases, some growth in laboratory space requirement was indicated to accommodate new programs or specialized equipment that has been approved by AA's and EL's management. A detailed inventory of the AA's and EL's laboratory space requirements is presented in Appendix D.

Support Space Requirements

Support space was defined as those areas that were neither office nor laboratory space but were essential for the daily activity and personnel welfare. For example, conference rooms, training rooms, coffee/snack areas, divisional and branch reception areas, files storage, computer workrooms, copier rooms, and coat closets were all considered as support space. We used architectural rules of thumb to establish floor space standards for various classifications of conference rooms and other support space that were common among the AA and EL activities. All other support space requirements were handled on a case-by-case basis. Each division was assigned medium-sized conference rooms and each branch activity was assigned a smaller workroom (except where branches indicated individual workrooms were unnecessary). Otherwise, just like the laboratory space, each activity was required to justify a need for other support spaces. Table 3-3 shows the space standards used for the commonly required support areas.

Table 3-3.
Support Area Standards

| Support area | Floor space standard (sq ft) |
|--|------------------------------|
| Large Conference Room (seats 20 - 25) | 500 |
| Medium Conference Room (seats 10 - 15) | 350 |
| Small Workroom (seats 4 - 8) | 150 |
| Reception Area | 80 |
| Coat Room | 40 |
| Coffee/Snack Area | 40 |
| Copier Room | 40 |

The summation of the individual requirements for office, laboratory, and support areas equals each group's total assignable space requirement. However, we are interested in tracking space requirements by net usable space which means that secondary circulation area needs to be estimated and added to the assignable area.

Secondary Circulation

Secondary circulation refers to the tributary aisles that allow access to individual offices, laboratories, and support space and essential to the efficient functioning of any occupied area. The sum of the office, laboratory, and support space plus the calculated secondary circulation gives the net usable square footage required. The amount of secondary circulation will typically vary from one area to the next and depends on its physical layout. However, over larger areas, secondary circulation tends to be fairly standard among facilities so, for the sake of space programming, we can estimate it. Based on the Avionics Laboratory's existing mix of assignable space and secondary circulation, we used a 15 percent mark up for calculating the net usable space for each group. Therefore, the space requirements shown in Table 3-2 are the summation of assignable space for office, laboratory, and support space plus a 15 percent mark up to account for the secondary circulation. The detailed space requirement summaries in Appendix D illustrate the above approach and show how the total space requirements for each group were calculated.

Public Space Requirements

Public space represents space that is shared by most or all Avionics Laboratory employees and is not allocated to individual groups. Examples of public space include facility reception areas, restrooms, primary circulation corridors, mechanical rooms, janitor closet, and HVAC and electrical chases. Public space is essentially space that represents the difference between a facility's gross square footage and its net usable area. In Building 620, most public space is already well-established, and we used that fixed area to calculate a mark-up factor that translates net usable space requirements to gross space requirements. The Avionics Laboratory's gross space mark up is about 40 percent, a number that can be used to develop future gross space requirements for new construction projects.

PROXIMITY REQUIREMENTS

Efficiency and organizational productivity can be significantly improved merely by locating those groups that interact frequently with each other in proximity to each other. The importance of that relationship increases as either the value or the frequency of those groups' interaction increases. Proximity requirements establish the importance of those proximity relationships amongst groups. The simple action of locating highly interactive groups near one another minimizes the time that would otherwise be necessary to travel between those separated activities.

In this study, we scored AA and EL proximity relationships on a high (H), low (L), or negative (X) impact scale. H means that it is highly desirable for the groups to be near one another, and L means that those groups would like to be close but the need is not as important as an H. The X shows a negative

relationship between those groups and that it is desirable for those groups to be kept apart from one another. For instance, a laser optics laboratory should never be placed next to a machine shop because of the effect of vibrations from metal-forming equipment has on the sensitive laser optics apparatus. Appendix E shows the proximity requirements, in matrix form, for each group involved in the study.

While Appendix E shows that some proximity requirements exist between divisions and other groups outside of divisions, the primary and strongest proximity relationships were interdivisional. In other words, a group within a branch has a strong need to be near other groups in that branch and a branch within a division has a strong need to be near other branches in that division. As would be expected, strong proximity relationships also exist between office areas and associated laboratory activities and support spaces. While it is important to satisfy the proximity relationship between office and laboratory functions, unfortunately, the physical configuration of Building 620 and the limited space designed specifically for laboratory activity make it impossible to satisfy all the laboratory-to-office proximity needs. The overflow will be satisfied in the new Phase I and II space when the anticipated construction is complete. This is discussed in further detail in the subsequent chapters in which the space allocation criteria are discussed.

CHAPTER 4

Recommended Space Configurations and Implementation Plans

The final step of our strategic facility planning methodology is to effectively and fairly allocate and configure the available space in Building 620 after Phase I and Phase II construction is complete. The final configuration is one that best supports the research mission of the Avionics Laboratory and the personnel working there. Once the proposed configuration is established, an appropriate series of steps – the strategy – that will transform the existing facility layout into the proposed configuration can be developed and put into effect. Information on the existing facility inventory and occupancies from Chapter 2, the space needs and proximity requirements from Chapter 3, and the set of allocation criteria discussed in this chapter are all used in developing the most effective space configurations. This chapter presents our conclusions and recommendations for the allocation and configuration of space for all AA and EL activities after the Phase I construction is complete in the FY95 time frame and then again after the Phase II construction is complete in FY97.

BUILDING 620 SPACE REQUIREMENTS

In Table 3-1, we show the space requirements for each major Avionics Laboratory activity. Those figures represent each EL and AA group's total space requirements regardless of what facility would eventually satisfy that requirement. Since, for this study, we are only concerned with reconfiguring Building 620, that portion of those division's space needs that will be satisfied by other facilities must be subtracted from their total requirements. Therefore, Figures 4-1 and 4-2 show each activity's forecasted space needs for Building 620 in FY95 (the time when the Phase I construction project will likely be complete and ready for occupancy) and FY97 (expected Phase II completion).

AVIONICS LABORATORY SPACE SUMMARY

Knowing total net usable space requirements and available net usable space in Building 620, we can now compare Avionics Laboratory's space needs to its expected space resources when Phase I and Phase II construction is complete. Figures 4-3 and 4-4 summarize the analysis.

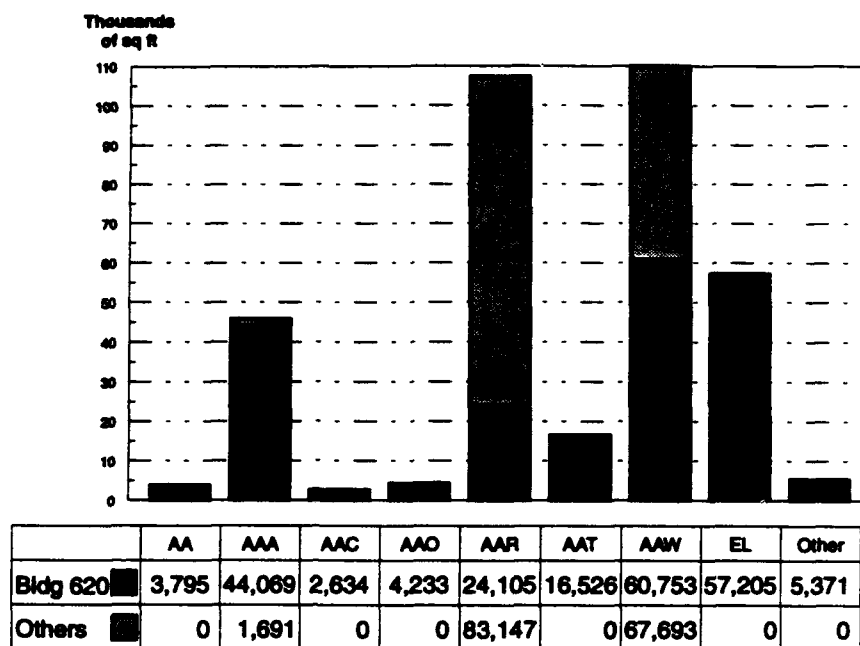


Figure 4-1.
Avionics Laboratory's FY95 Space Requirements

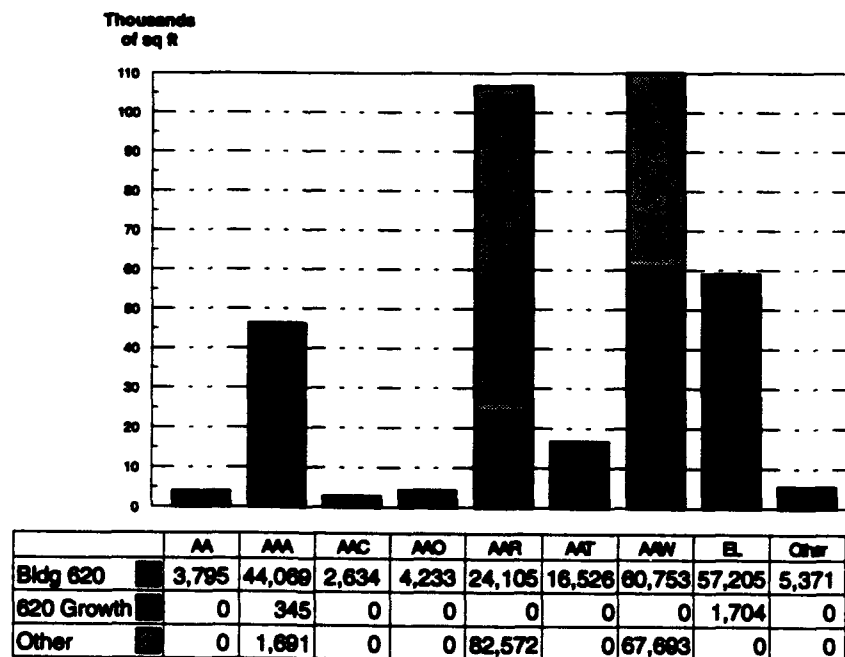


Figure 4-2.
Avionics Laboratory's FY97 Space Requirements

| | | |
|--|---|----------|
| <i>Requirements (net usable square feet):</i> | | |
| Space required in Building 620 | = | 218,695 |
| Total AA and EL requirements | = | 371,225 |
| Space needed in other facilities | = | 152,530 |
| <i>Inventory (net usable square feet):</i> | | |
| Space available in Building 620 | = | 203,895 |
| Building 620 | = | 155,270 |
| Modulars A, B, and C | = | 14,860 |
| Phase I construction | = | 33,765 |
| <i>Space Surplus/(Deficit) (net usable square feet):</i> | | |
| After Phase I construction | = | (14,800) |

Figure 4-3.
FY95 Phase I Space Summary

| | | |
|--|---|---------|
| <i>Requirements (net usable square feet):</i> | | |
| Space required in Building 620 | = | 220,630 |
| Total AA and EL requirements | = | 372,585 |
| Space needed in other facilities | = | 151,955 |
| <i>Inventory (net usable square feet):</i> | | |
| Space available in Building 620 | = | 211,005 |
| Building 620 | = | 155,270 |
| Phase I construction | = | 33,765 |
| Phase II construction | = | 21,970 |
| <i>Space Surplus/(Deficit) (net usable square feet):</i> | | |
| After Phase II construction | = | (9,625) |

Figure 4-4.
FY97 Phase II Space Summary

The space summary in Figure 4-3 shows that the AA and EL total requirements for space are a little over 371,000 net usable square feet. Those AA activities that will remain in Buildings 4A, 4B, 4F, 18F, and 23 require 152,530 square feet, which is subtracted from the total AA and EL space requirement. Thus, 218,695 net usable square feet must be provided within the Building 620, complex. After Phase I construction is complete, only 203,895 net usable square feet of space will be available in Building 620, including the existing facility, the modular buildings, and the Phase I addition. That leaves a 14,800-square-foot space deficit in Building 620. In other words, Building 620 with its modulars would still need almost 15,000 square feet more to satisfy all the requirements for floor space for those AA and EL activities that need to be in Building 620 in

FY95. A similar analysis in Figure 4-4 using the Phase II space summary indicates a space shortfall of 9,625 net square feet in FY97.

Phase I Space Shortage Solution

The Avionics Laboratory is committed to accommodating as many AA and EL activities in the Building 620 complex as is possible to reduce its total occupied space and improve operational productivity. However, in meeting those objectives, more Avionics Laboratory activities are being jammed into Building 620 than it has space for. While it may seem unlikely that mere space efficiencies and improved adjacencies could accommodate the 14,800-square-foot shortfall expected after the completion of Phase I construction, the deficit represents only about 7 percent of the total space available in Building 620. Thus, various methods of reducing and suppressing space requirements offer reasonable alternatives for accommodating the deficit, at least on a temporary or short-term basis.

The first way of partially reducing the space deficit is to suppress the growth of various laboratory and support spaces (primarily conference rooms) requested by AA and EL activities. That means some laboratories will need to continue operating with the same amount of space they occupy today until more space becomes available after the Phase II construction. While some laboratories' requirements for additional space are certainly justified, when such a large space shortage exists, only those laboratories and support activities with imminent growth requirements can be given the additional space they need. The effect of suppressing a certain amount of support space will not be as dramatic since one of the primary space allocation objectives will be to improve proximities between groups and branches. If groups and branches can be collocated, some support areas can be shared. For example, instead of a need for one workroom per group and one small conference room per branch, only one conference room will be allocated and shared by all groups in that branch. By suppressing less critical laboratory and support space growth, the Avionics Laboratory's total space requirements can be reduced by about 2,000 square feet.

The total AA and EL space requirement for 371,225 net usable square feet is based in part on the office space standards approved by the AA management and shown in Table 3-2. Another way to reduce the space shortfall would be to allocate less office space to each AA and EL group than the space standards require. Those engineers entitled to 100-square-foot offices (according to the established space standards) would be allocated only 80 square feet, and those engineers entitled to 120 square feet would be allocated only 100 square feet. Approximately 550 AA and EL engineers would be affected by that course of action, and, at 20 square feet per person, the Avionics Laboratory's space requirements (and, therefore, the space shortage) would be reduced by about 11,000 net usable square feet.

The above two approaches will not totally eliminate the deficit, but they will reduce it to less than 1 percent of the total available space in Building 620. The

AA and EL divisions. However, such an arrangement should only be temporary until the Phase II construction is completed and another 22,000 net usable square feet are added to Building 620.

Phase II Space Shortage Solutions

The Phase II space summary shows that after construction is complete, the Avionics Laboratory will still face a 9,625-net-usable-square-foot space deficit. Even though 22,000 net square feet will be added when Phase II construction is complete, that additional space is almost entirely offset (1) by increases in space requirements from FY95 to FY97 of about 2,000 net usable square feet and (2) because of the planned removal of the three modular buildings totaling close to 14,900 square feet. The net result is that the deficit will only be reduced by about 5,200 square feet after Phase II construction.

The solution for the Phase II space shortfall is much simpler than that for Phase I since the entire shortfall can be accommodated by allocating office area below the office standards. As in the Phase I solution, engineers entitled to 120- and 100-square-foot offices according to the standards will be allocated only 100 and 80 square feet, respectively. Because more space will be available, those research laboratory activities that need additional space will be given the room to grow after Phase II construction is complete. The inherent shortfall caused by the reduced office space standards must be shared equally between all the AA and EL divisions.

SPACE ALLOCATION OBJECTIVES

The available space in Building 620 should be allocated fairly and simply knowing the expected space shortfall, existing inventory and occupancies, and the space requirements by group may not be enough information to do so. The goal of any facility or space configuration plan is the efficient and effective utilization of space that leads to improved productivity for the organization. Thus, what is also needed to effectively allocate Avionics Laboratory space after Phases I and II construction projects are complete is a set of space allocation objectives. The following space allocation criteria were established to ensure that the final Building 620 configurations effectively support the research mission of the Avionics Laboratory.

Consolidating into Building 620

One of the primary objectives of this study was to develop a configuration and implementation plan for Building 620 after Phase I and Phase II construction was complete. The justification for those new construction projects was partly based on the consolidation of Avionics Laboratory activities from other facilities into its primary research facility, Building 620. The objective of which was to

bring research activities together thus improving the quality of that research and, at the same time, reducing the number of facilities the Avionics Laboratory operates and maintains. Therefore, a fundamental space allocation objective is to make sure as many AA, EL, and other support groups as possible from Buildings 22 and 22B are relocated into Building 620 after Phase I construction is complete. While there are cost and technological reasons for relocating those groups to Building 620, there are equally compelling cost and technological justifications for leaving other Avionics Laboratory activities in Buildings 4A, 4B, 4F, 18F, and 23. At this time, the added benefit of consolidating those groups into Building 620 (assuming there is room to do so) does not outweigh the enormous cost of constructing new facilities and relocating the equipment if those activities were removed from the other buildings. Modular buildings A, B, and C will also remain through the Phase I construction, which will allow Avionics Laboratory to accommodate as many AA and EL groups within Building 620 as possible. The current lease on those facilities extends through FY95. At this time, the modular buildings are being considered for removal after Phase II is complete.

Minimizing Disruptive Laboratory Relocations

Most of the existing laboratories in Building 620 would be relatively expensive to relocate. Because of their highly technical nature and the requisite security classification of some laboratories, the cost to construct replacements would be prohibitive, and the loss in productivity from mission down time during relocation would be intolerable. For those reasons, the reallocation of space in Building 620 should revolve around existing laboratories. Where possible, the reconfiguration of Building 620 will avoid relocating laboratories; however, that does not include soft-technology laboratories or laboratories with no physical security requirement since they can be relocated relatively inexpensively.

Satisfying Primary Proximity Requirements

Because buildings are physically constrained by their exterior walls and interior primary corridors, rarely can all proximity requirements be satisfactorily met. However, a main objective of our Building 620 configuration is to satisfy as many high-priority proximity requirements as possible. One of those requirements is to locate the specific research activities that will eventually support the "wind tunnel" concept to the third floor of Building 620, thus keeping them all in close proximity. Also, the most common high-priority proximity needs among the Avionics Laboratory activities are to consolidate groups within branches and branches within divisions while, at the same time, satisfying the need to keep the personnel near the laboratories they support.

Matching High-Value Activities with High-Cost Floor Space

Building 620 was originally designed and constructed as an R&D facility. As such, it is three to four times more costly per square foot than floor space

designed and constructed for office use. Therefore, another major space allocation objective is to match the Avionics Laboratory's high-value activities — its research — with its high-cost floor space in Building 620 — the laboratory space. Fortunately, enough laboratory space is currently available in Building 620 to accommodate all of the Avionics Laboratory's research needs. The remainder of the laboratory areas can then be utilized for office and other areas that support those laboratories instead of leaving the area vacant. The new areas created from the Phase I and Phase II construction were designed as general-purpose office area and must be utilized for personnel and support space.

Allocating Shortfalls Fairly

Relocating all of the groups from Buildings 22 and 22B to Building 620 and satisfying the immediate space shortage of the groups currently in Building 620 puts the Avionics Laboratory in a significant space deficit situation. The analysis in Figures 4-3 and 4-4 indicates that a space deficit of about 14,800 and 9,600 net usable square feet will exist in Building 620 after the moves are made. However, not all AA and EL currently share the deficit burden equally. One of the primary concerns is that the available space in Building 620 be fairly allocated among those divisions that need to be there so that no single division carries more than a fair share of the deficit burden.

Configuring Phase I Construction to Minimize Disruption During Phase II Construction

The final Building 620 configuration will be realized after the Phase II construction is complete and represents the "best" solution for Avionics Laboratory based on the information available at this time. However, the space made available after Phase I construction must be utilized to satisfy immediate Avionics Laboratory space shortfalls. Therefore, after Phase I is complete, Building 620 must be configured such that subsequent moves following Phase II completion are minimized. While double moves cannot be avoided entirely, the objective is to keep them to a minimum while, at the same time, satisfying the primary proximities and efficiently utilizing the space.

Not all the above space allocation criteria can be satisfied simultaneously and, oftentimes, satisfying one works against another. However, the criteria give us an approach and methodology with which we can evaluate the success of alternative configurations. That approach will ensure that the recommended configuration maximizes benefits to the Avionics Laboratory and that the space effectively supports its mission.

RECOMMENDED BUILDING 620 CONFIGURATION

In Appendix F, we present the recommended configuration for each floor of Building 620 after both phases of construction are complete. The recommended space allocations and configurations offer workable solutions that do the following:

- ♦ Allocate limited space proportionally and fairly between the AA and EL divisions after construction in Phases I and II is complete. The goal was to proportionally allocate the shortfall. Figures 4-5 and 4-6 are surplus/deficit charts that show the difference between how much space each division needs and how much they will occupy. After Phase I construction, the deficits will be between 7 and 9 percent for the AA operating divisions (a little more for the support divisions) and 3.4 percent for EL. When Phase II construction is complete, more space will become available for occupancy, and the AA deficits will be reduced to between 2.2 and 6.4 percent. Much of the shortfall indicated in these charts will be accommodated by reducing office space allocations below the standard. EL shows the least deficit because it is anticipating some future growth in that period.

Square feet

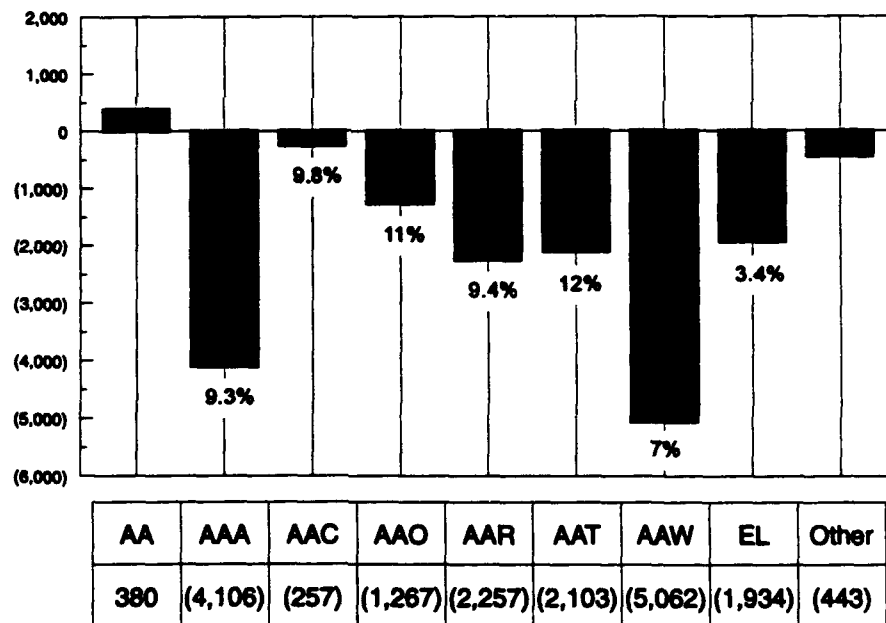


Figure 4-5.
Post-Phase I Space Surplus/(Deficit) by Division

Square feet

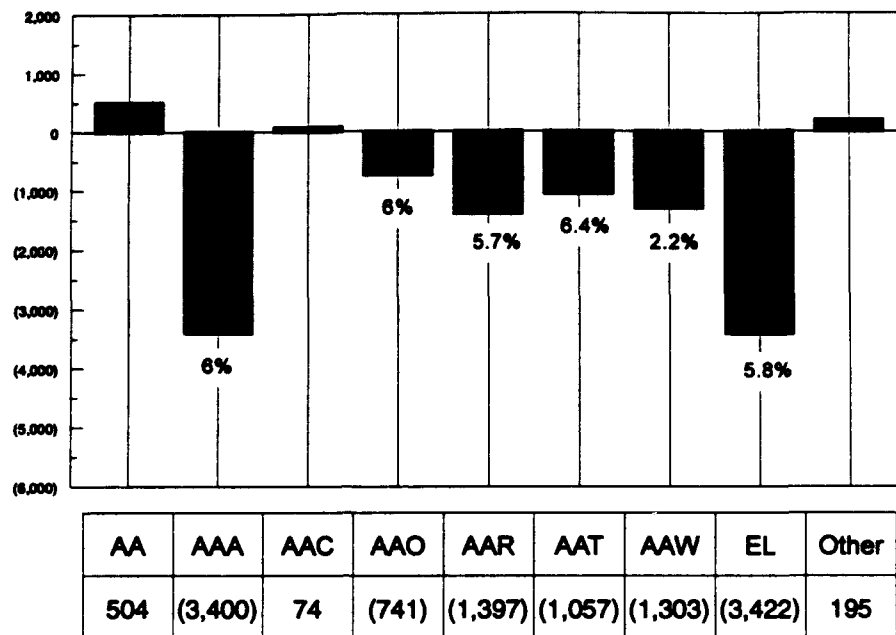


Figure 4-6.
Post-Phase II Space Surplus/(Deficit) by Division

- ◆ Correct the allocations of several groups that have excess space. Several AA activities currently occupied more space than they need or more than can be justified in the expected space deficit situation. The large amount of facility churn resulting after the Phase I construction will provide the opportunity to allocate the appropriate amount of space for those groups while, at the same time, improving adjacencies.
- ◆ Satisfy most primary proximity requirements by consolidating group functions within their respective branches and consolidating branches within their respective divisions.
- ◆ Use high-cost laboratory space for high-value Avionics Laboratory requirements and utilize space constructed specifically for administrative activity as office and support area.
- ◆ Move the Avionics Laboratory closer toward meeting its "wind tunnel" objectives by placing key laboratories in close proximity. While the "wind tunnel" concept means more than just placing those laboratories near one another, by doing so, the Avionics Laboratory will be in a position to electronically connect various experiments and to integrate the currently separated research activities.

- ◆ Place executive and management offices in close proximity.
- ◆ Minimize disruptive laboratory relocation, which avoids costly laboratory construction and operational downtime.
- ◆ Utilize Phase I construction layout to the maximum extent practical, thus minimizing modifications to current Phase I wall, partition, and modular furniture floor plans.

The completion of Phase I construction gives the Avionics Laboratory the opportunity to improve the allocation and configuration of space to its operating and support activities. LMI's recommended configuration significantly improves the allocation of space to each AA and EL division in the short term and locates those groups so that when Phase II is complete, the next series of relocations will involve moving office and support spaces only. The Phase I configuration gets AA and EL most of the way toward a final layout that will minimize the transition between Phase I and Phase II completion. As a result of the new construction, some groups may have to move twice. An attempt was made to minimize dual moves, but Phase II construction brings more than 22,000 square feet of net usable space and an opportunity to relieve some of the shortfall that exists even after Phase I is complete. That will require another series of renovations and relocations.

IMPLEMENTATION STRATEGY

After the Phase I and Phase II construction is complete, a series of renovations and relocations in Building 620 will be necessary to meet the recommended allocation and configuration of available space. The precedence networks shown in Appendix G establish the sequence of moves and renovations that will be necessary to achieve the final configurations illustrated in Appendix F.

CHAPTER 5

Recommendations

MANAGING A CHANGING FACILITIES ENVIRONMENT

The Avionics Laboratory performs its R&D mission in an environment that requires responsiveness and rapid change. Its research programs are often growing or contracting to meet national security needs, to exploit new technologies, or to solve problems identified by field organizations. Fluctuations in its program funding can also cause sudden growth or contraction. Such an environment of continual change and uncertainty gives rise to the need for more flexibility and a more proactive approach for managing space.

The recommended configuration and implementation plans set forth in Chapter 4 must become part of an Avionics Laboratory strategic facilities plan. Such a plan will establish a framework in which more proactive space management is possible. Until now, the Avionics Laboratory has taken a piecemeal approach to facilities planning. Previous plans have been developed and have remained in place, often for years, until requirements for action forced major changes. Such an approach results in major reconfiguration efforts and costs when changes that occur to research programs and organizational staffing create subsequent space requirements.

The Avionics Laboratory's facility plans must be dynamic and recognize that changes occur. A better approach is to continually review the plan and to make minor adjustments as soon as those changes occur. Too many changes at the Avionics Laboratory occur too frequently for any facilities plan to remain current for very long. If the plan is not continually revised and updated, options for responding to those changes may be narrowed when action becomes essential. Proactive space management will reduce the Avionics Laboratory's operation and maintenance costs, preclude unnecessary new construction, improve the justification for new construction when that construction is needed, and ensure that all of its facilities support its research mission to the maximum extent possible. The following recommendations will help Avionics Laboratory improve the management of its facility resources.

IMPLEMENTING THE PHASED EXPANSIONS

We recommend that the Avionics Laboratory begin implementing the facility layout and reconfiguration strategies presented in Chapter 4 and make them the foundation of its long-range strategic facilities plan. Chapter 4 develops effective facility layouts along with step-by-step implementation plans for each phase of the Building 620 expansion. Those configuration and implementation plans, which have been

verified and approved by the Directorate staffs, improve Avionics Laboratory space allocations and adjacencies and will enable the project designers to complete their detailed designs and layouts for Phase I and Phase II construction projects. Those plans should serve as the baseline for all subsequent changes and revisions since all changes to organizations, staffing, and research mission have a direct and immediate effect on how much space each group has and where that space should be located

COMPUTER-AIDED SPACE MANAGEMENT

We recommend that the Avionics Laboratory adopt a computer-aided space management system to improve its in-house management of its facilities. For the Avionics Laboratory to effectively manage its space inventory in house and to make more proactive decisions affecting those facilities, it will need an accurate and comprehensive facility data base and up-to-date facility plans. As a minimum, that data base should include the existing space inventory of all offices, laboratories, and support spaces; current facility occupancies by group; current and projected space requirements for each group; adjacency relationships between groups; current and projected staff levels; and the approved office space standards. Additionally, existing and proposed space configurations in the Avionics Laboratory facilities (particularly those in Building 620) should be kept up to date on a CADD system. The only practical way to manage all the information that will be necessary is through the use of an automated system. LMI developed such a system and space management methodology for this study. The system, which integrates the Avionics Laboratory's facility data base and supporting software with a CADD system, will be turned over to Avionics Facility Branch (AATF). The system will give AATF the tool they need to continually review and update space-related data and to provide them the information they will need to make better space-related decisions. LMI will provide the needed training and implementation support during the transition to Avionics Laboratory's self-management of space.

A FACILITIES SPACE WORKING GROUP

We recommend that the Avionics Laboratory establish a standing working group for managing space. The Avionics Laboratory must plan for change and have the mechanisms in place to anticipate and react to change as it occurs. The most common such management review mechanism for facility needs is a standing committee. An empowered committee of Avionics Laboratory middle management can act as a working group to explore issues and analyze facility options. Such a group should be chaired by the AATF branch supervisor who will also be responsible for recording minutes of the meeting and acting as the primary action agent.

The working group should develop facility options and present them, usually with recommendations, to the senior management decision makers on

the Avionics Laboratory's Board of Directors. The working group's primary responsibilities will be to establish an Avionics Laboratory space management policy and to review and approve changes to the proposed configuration plans. The facility working group's responsibilities are as outlined below.

Manage the Facility Space Records of the Avionics Laboratory

The facility data base of space requirements and occupancies for each AA and EL activity was built for this study. It includes current proximities, office space and support space standards, and the Avionics Laboratory's current organizational structure. When changes to it occur, that data base must be updated if it is to remain useful. The working group should make sure that any changes are agreed upon before the official facility data base is updated. The computer-aided facility management system and facility drawings that comprise the data base should be maintained by AATF.

Establish Space Standards and Policies

Space requirements can be determined only after space standards and policies have been established. The working group would determine the authorized square footage of office space for each of the Avionics Laboratory's job categories (junior engineers and secretaries, for example) and specify the furniture and equipment that would be authorized for each job category. We adopted such standards for this study that were approved by the Avionics Laboratory's management. However, the working group's responsibility will be to codify those standards and create an Avionics Laboratory policy for their future use. All future changes to the standards must be approved by Avionics Laboratory management.

Verify Requests for Change

One of the working group's main functions would be to identify space issues far enough in advance to allow timely action. Those issues might range from the announcement of a new mission that will require laboratory space to the need for more conference room space. Those requests could be for more space or for relocations of functions to improve space proximities. Upon receiving a request for such a change, the working group would verify the justification for the request and reach agreement on required actions since oftentimes one group's requirement for more space comes at the expense of another group's need. A request for more space could be justified, for example, on the basis of an authorized staff increase, an additional mission or mission change, an equipment purchase, or other increased laboratory requirement. Justifications for additional conference rooms, centralized file areas, libraries, and other special needs may be more difficult to verify, but the working group would have a working

knowledge of each division's mission and could compare one division's needs with those of the others.

Recommend Allocations and Reallocations of Facilities Space

As requests for space changes are verified, the resulting changes in requirements will add to a division's or activities' space shortage or surplus. The working group would evaluate the impact of those changes on the Avionics Laboratory's mission. On the basis of that evaluation, the group would then recommend action, if any, that the Board of Directors should take. Space could be reallocated among divisions, or a programmed facility expansion could be enlarged or made smaller, for example. The working group would incorporate the Board's decisions into subsequent facility plans.

Maintain Space Discipline

A comprehensive space data base and a formal system for requesting changes to it are of little value if system discipline is not maintained. Space left vacant has a tendency to be claimed by a group that happens to notice it. Activities have also been known to trade space without notifying anyone. If those actions are allowed to continue, they would soon make the established data base and current strategic facility plans obsolete. And, when the data becomes obsolete, decisions based on those data become invalid. The members of the facilities space working group should guard against such transgressions by staying informed and by making periodic physical inventories of Avionics Laboratory's space.

Coordinate and Comment on Facility Plans

The working group should review all documents that pertain to the Avionics Laboratory's space. For example, they should coordinate on construction programming documents and architectural designs. They should also review leases of modular buildings and acquisition agreements for other base facilities. This involvement would ensure that the working group stayed fully informed on facilities issues, and it would use the working group's knowledge to help verify those documents' accuracy.

Keep Management and Staff Fully Informed of Facilities Issues

The working group should also be responsible for keeping the Avionics Laboratory's senior management fully informed on all facilities matters. It should brief the Board of Directors periodically, or as necessary, on the issues it is staffing and the problems it has identified. Similarly, its members should ensure that the staffs in their divisions are kept up to date on facilities plans and

policies. Such information is good for staff morale, and it allows staffs to plan for moves and other space changes in a logical and timely fashion.

The Working Group's Procedures

The facilities space working group should operate as a committee of middle managers and it should meet at least quarterly. At first, it may have to meet more often to resolve Phase I and Phase II configuration issues since the configurations are sure to change between now and when the designs are finalized and the construction is complete. The announcement of meetings, the choice of meeting place, the make up of the agenda, and other administrative matters should be handled by AATF.

Requests made to the working group for space changes should be in writing and signed by a division director or delegate. Requiring such a formal procedure helps to ensure that the request has been well-conceived and contains sufficient information for the group to make a determination. A signature from the division director ensures that the request is in keeping with the division's own internal facilities and business planning.

Facility issues have the potential to become divisive, especially if there is a severe space shortage and perceived differences in the importance of various research missions and programs. The working group should aim for a consensus and settle issues by vote. If agreement cannot be reached, the group should present more than one option to the Board of Directors without a specific recommendation. Such instances, however, should be a rare exception. The group's charter is to do the staff work and find compromises before the matter goes to the Board.

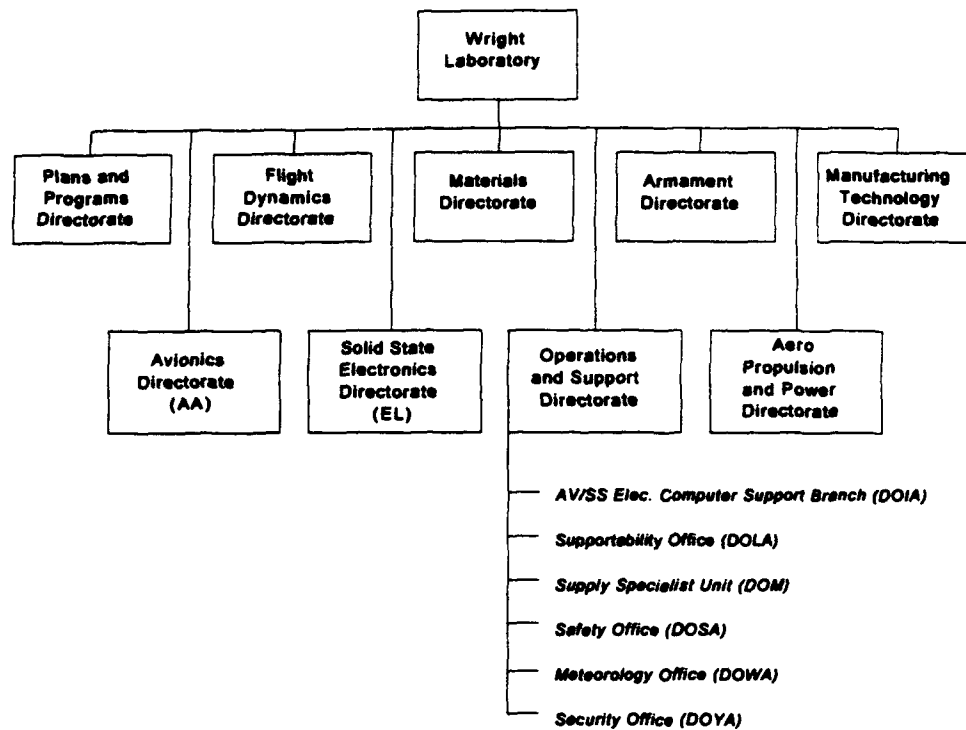
The working group should keep formal meeting minutes, and those minutes should provide the only official record of actions presented and agreed upon. The minutes should be taken by a recorder provided by AATF.

Finally, as a working group, all of its decisions should be presented to the Board of Directors for approval. It should have no independent authority unless some has been specifically designated in writing by the Board of Directors.

By adopting all of LMI's recommendations, Avionics Laboratory and AATF will be in a position to manage its facilities better. A more proactive approach will mean that Avionics Laboratory will be able to respond to its changing business environment and the effect that it has on its facilities and the requirement for all types of space. The result will be more efficient operations, lower occupancy costs, an improved system for allocating space to Avionics Laboratory research activities, and a better methodology for justifying new construction when it is needed and avoiding new construction costs when it is not needed.

APPENDIX A

Avionics Laboratory Organizational
Charts



Note: Those groups identified by italics are the Wright Laboratory organizational elements involved in this study. Greater detail of the AA and EL Directorates is shown on the following organization charts.

Figure A-1.
Wright Laboratories Organizational Structure

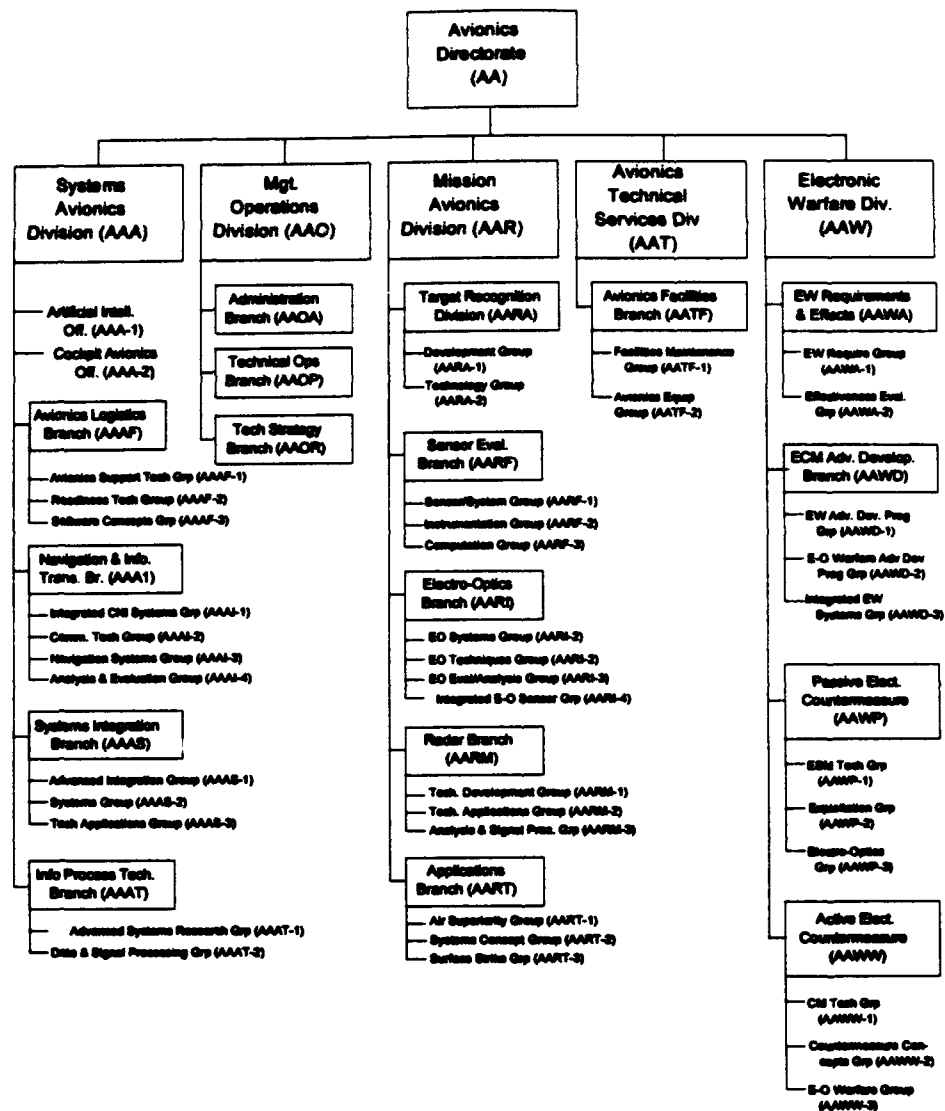


Figure A-2.
Avionics Directorate Organizational Structure

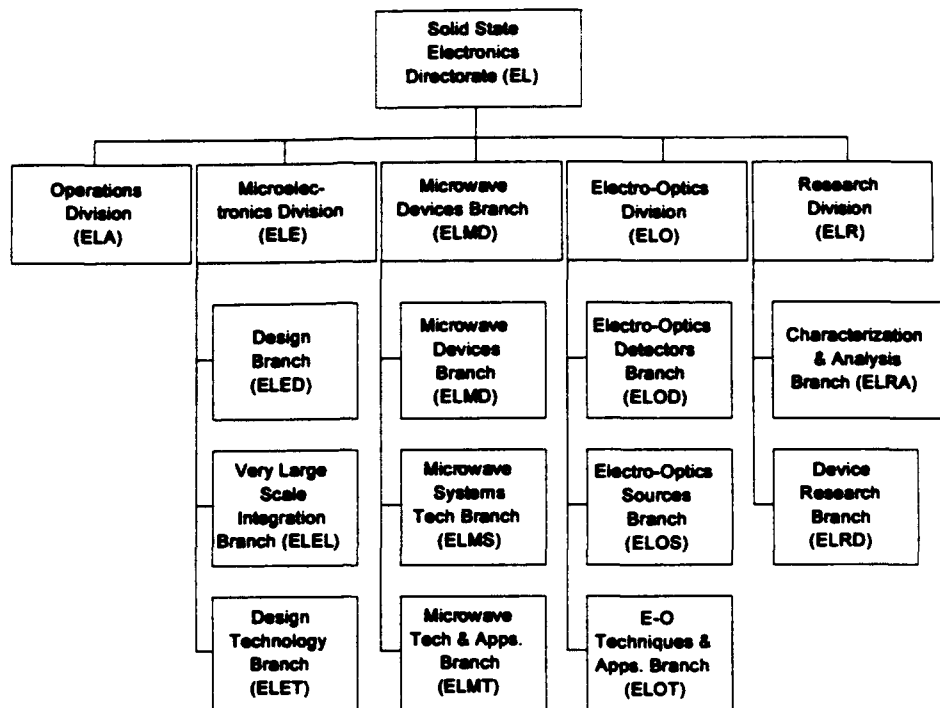


Figure A-3.
Solid State Electronics Directorate Organizational Structure

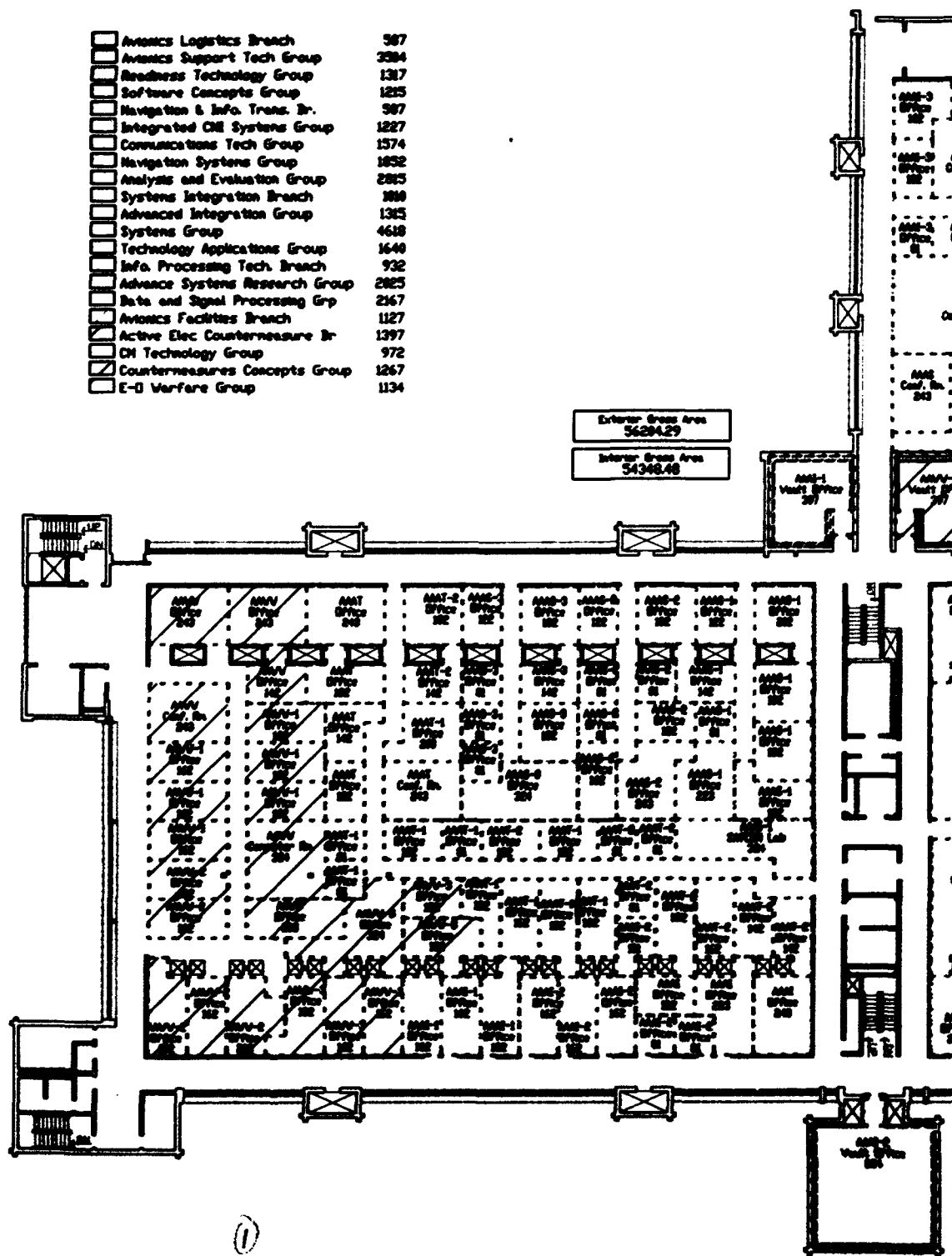
APPENDIX B

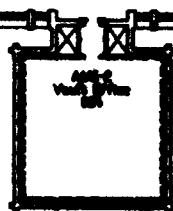
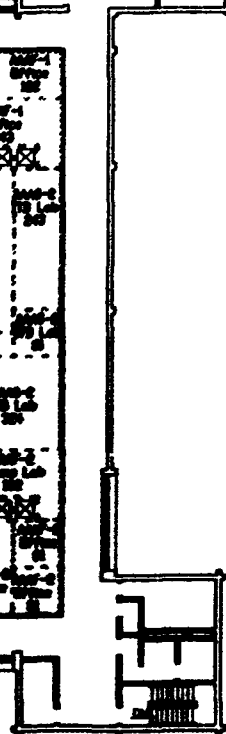
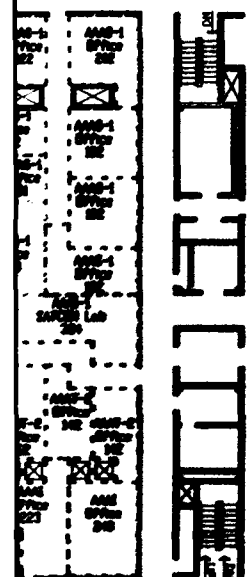
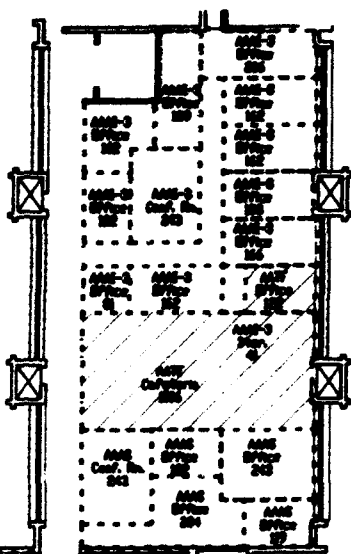
**Existing Building 620 Occupancy
and Floor Plans**

| | | |
|--------------------------|---------------------------------|------|
| <input type="checkbox"/> | Avionics Logistics Branch | 507 |
| <input type="checkbox"/> | Avionics Support Tech Group | 3304 |
| <input type="checkbox"/> | Readiness Technology Group | 1317 |
| <input type="checkbox"/> | Software Concepts Group | 1215 |
| <input type="checkbox"/> | Navigation & Info. Trans. Br. | 507 |
| <input type="checkbox"/> | Integrated CME Systems Group | 1227 |
| <input type="checkbox"/> | Communications Tech Group | 1574 |
| <input type="checkbox"/> | Navigation Systems Group | 1832 |
| <input type="checkbox"/> | Analysis and Evaluation Group | 2815 |
| <input type="checkbox"/> | Systems Integration Branch | 1888 |
| <input type="checkbox"/> | Advanced Integration Group | 1305 |
| <input type="checkbox"/> | Systems Group | 4618 |
| <input type="checkbox"/> | Technology Applications Group | 1640 |
| <input type="checkbox"/> | Info. Processing Tech. Branch | 932 |
| <input type="checkbox"/> | Advanced Systems Research Group | 2825 |
| <input type="checkbox"/> | Data and Signal Processing Grp | 2167 |
| <input type="checkbox"/> | Avionics Facilities Branch | 1127 |
| <input type="checkbox"/> | Active Elec Countermeasure Br | 1397 |
| <input type="checkbox"/> | CM Technology Group | 972 |
| <input type="checkbox"/> | Countermeasures Concepts Group | 1267 |
| <input type="checkbox"/> | E-O Warfare Group | 1134 |

Exterior Gross Area
56204.29

Interior Gross Area
54348.48

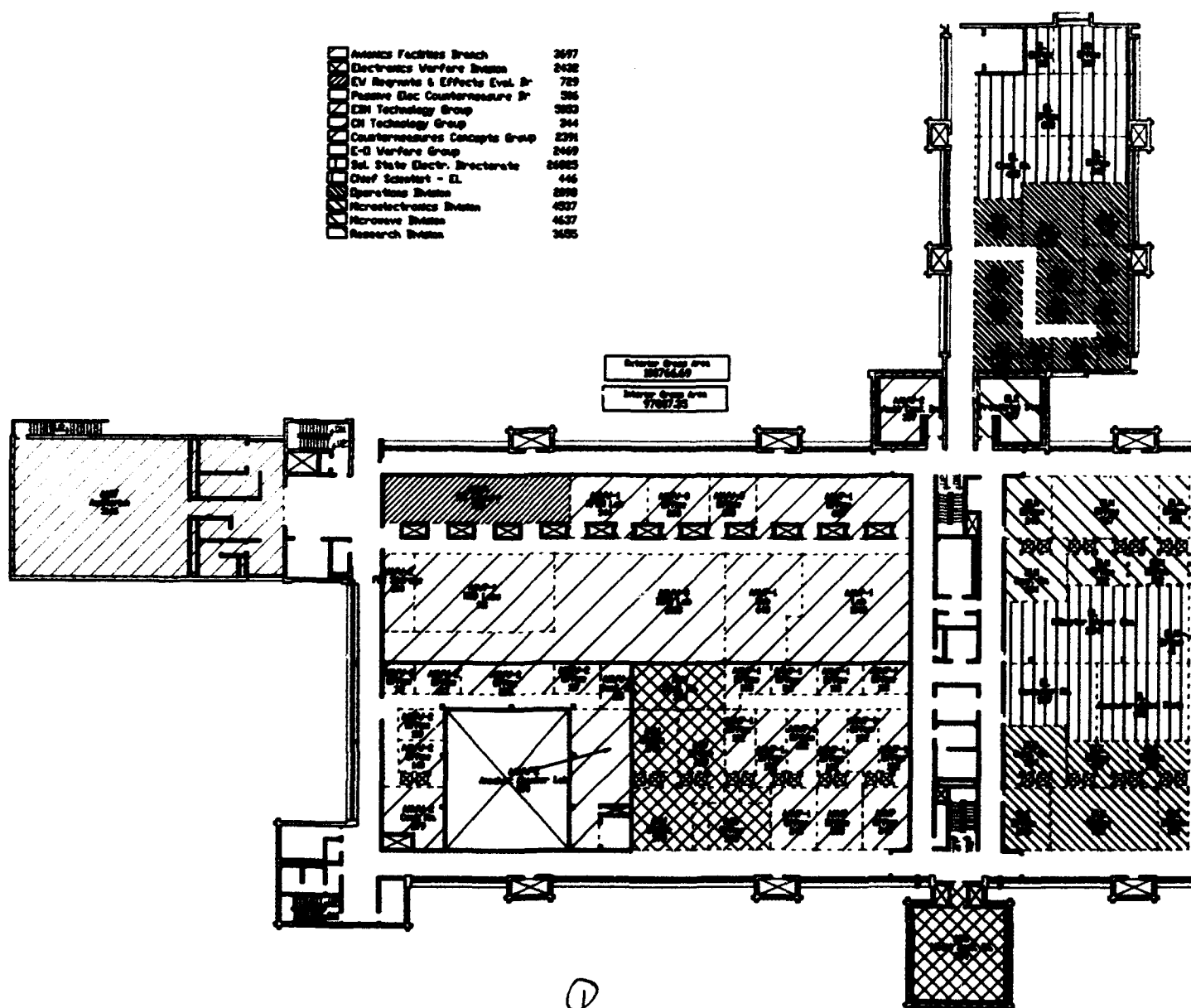


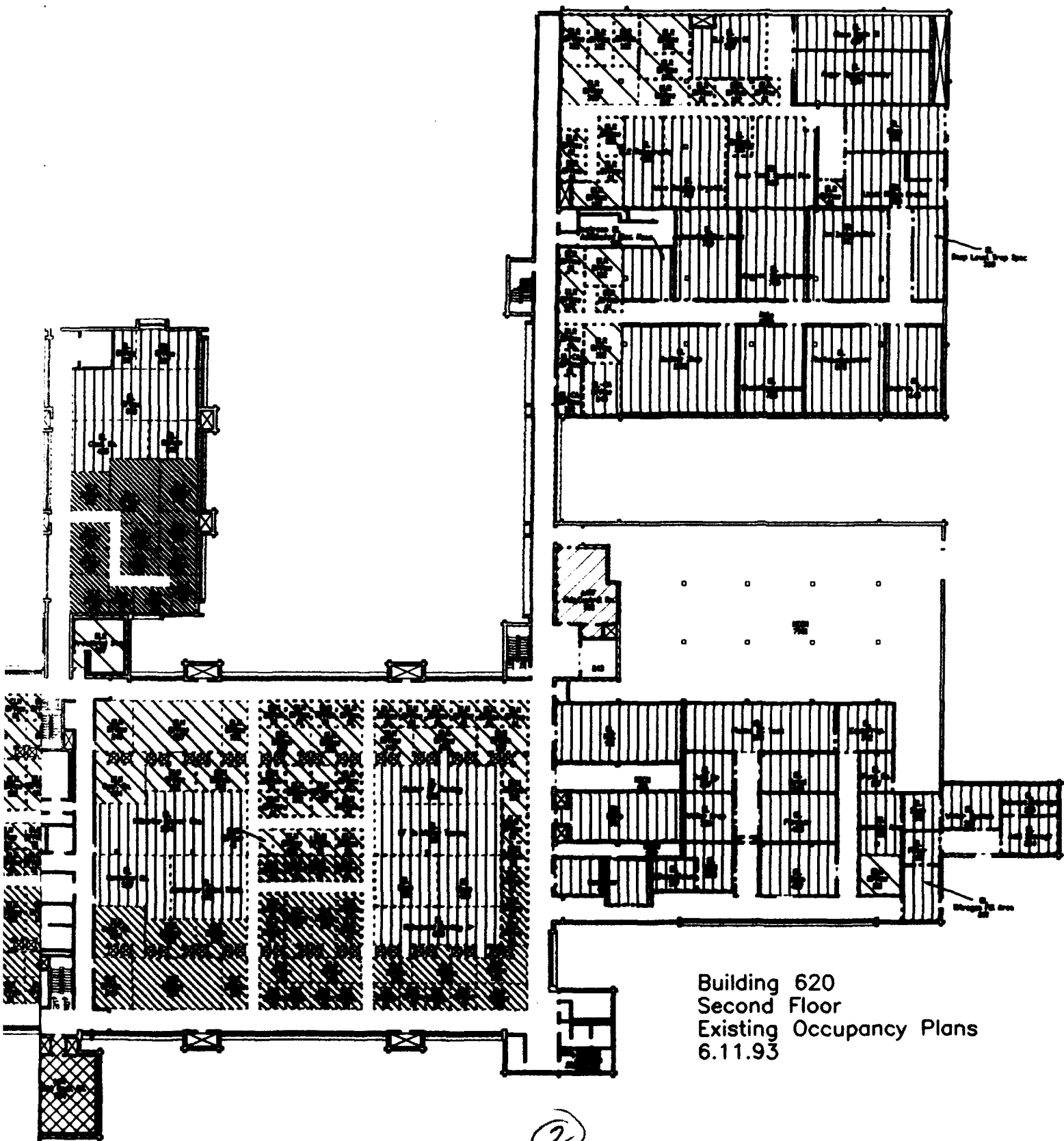


Building 620
Third Floor
Existing Occupancy Plans
6.11.93

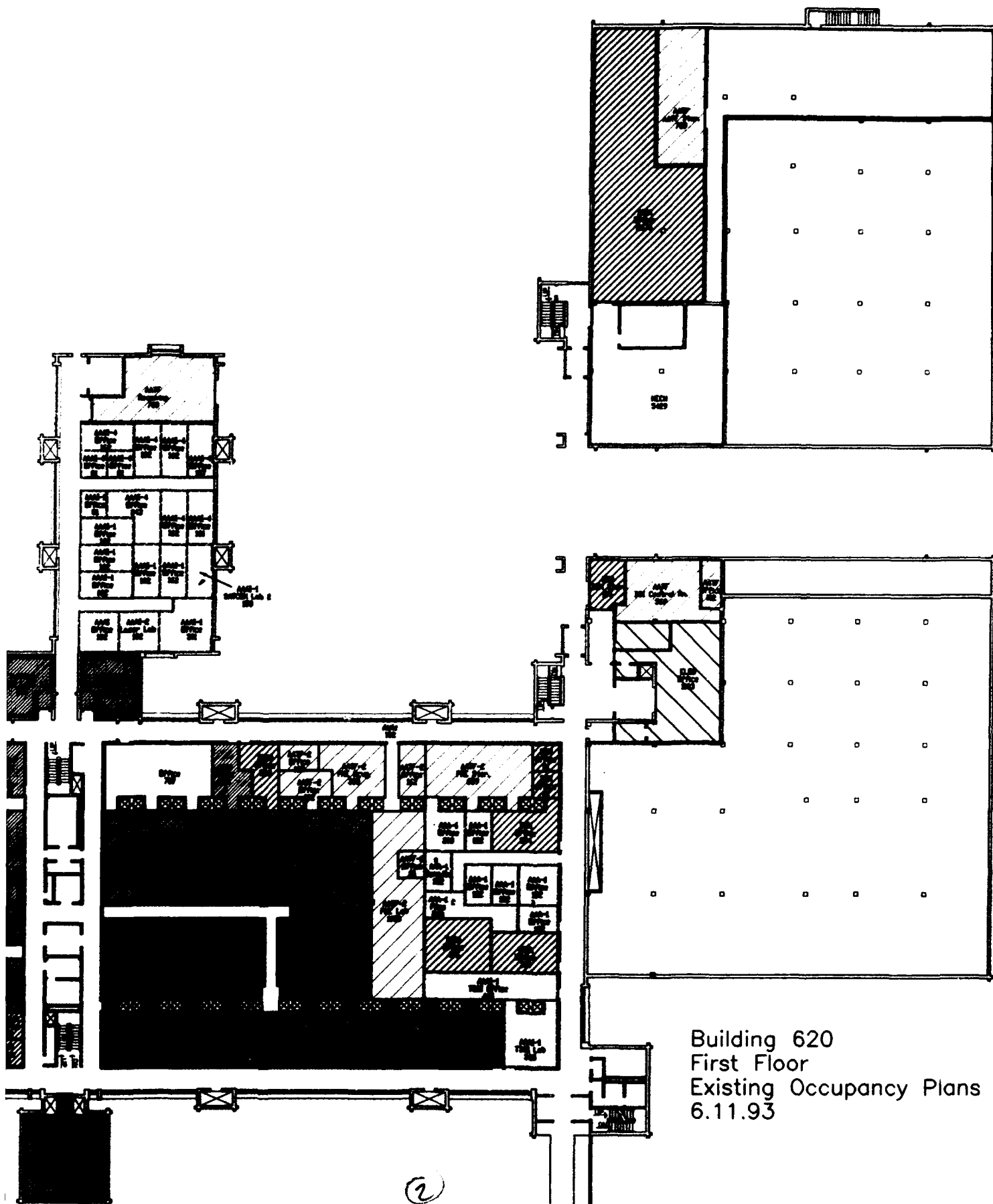
2

| | |
|---------------------------------|-------|
| Avionics Facilities Branch | 3697 |
| Electronics Warfare Division | 2432 |
| EW Research & Effects Eval. Br. | 729 |
| Passive Elec Countermeasure Br. | 506 |
| ECN Technology Group | 3053 |
| CH Technology Group | 344 |
| Countermeasures Concepts Group | 2391 |
| E-Q Warfare Group | 2469 |
| Sol. State Electr. Directorate | 26825 |
| Chief Scientist - EL | 446 |
| Operations Division | 2898 |
| Microelectronics Division | 4937 |
| Microwave Division | 4537 |
| Research Division | 3655 |



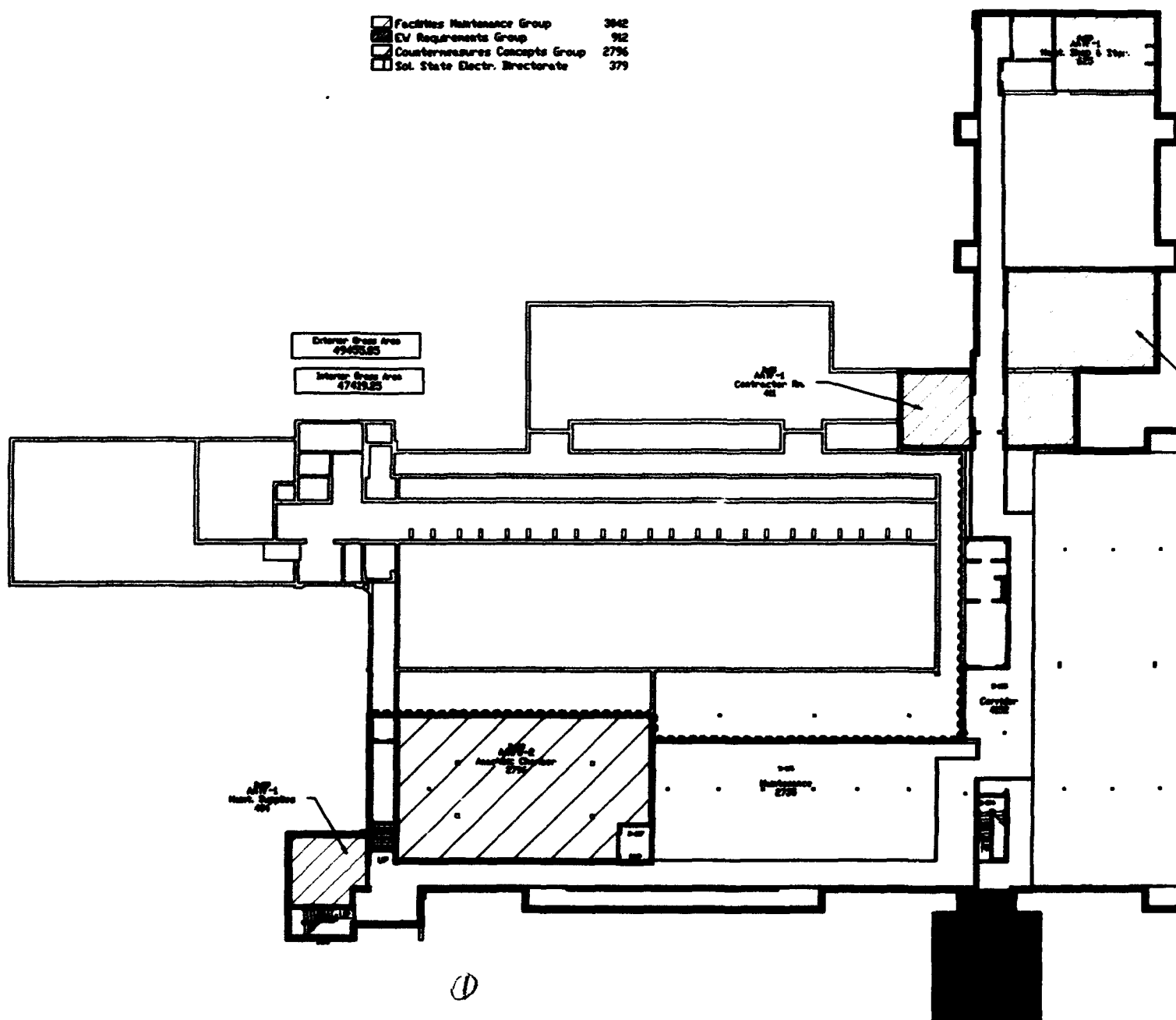


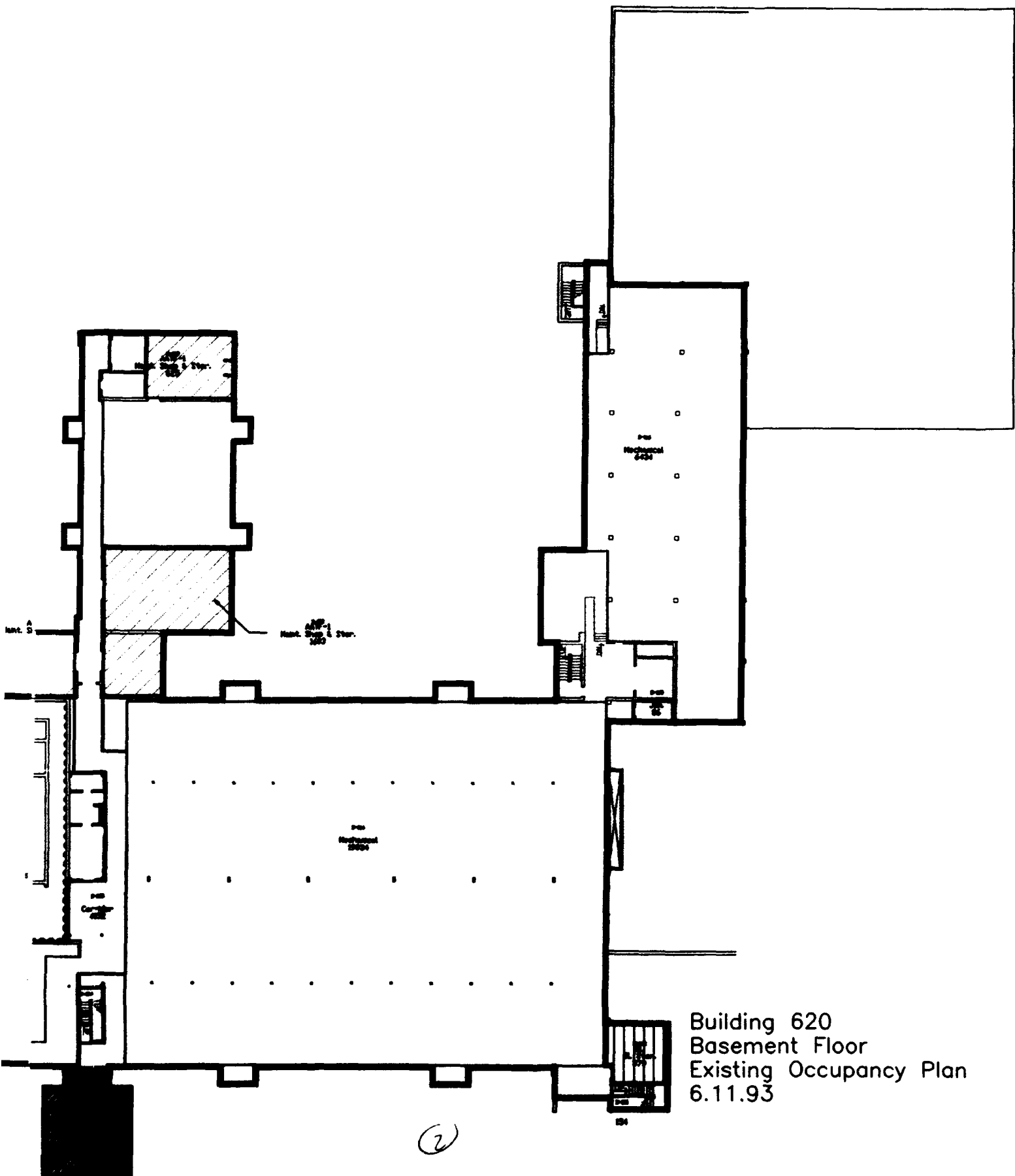
Building 620
Second Floor
Existing Occupancy Plans
6.11.93



Building 620
First Floor
Existing Occupancy Plans
6.11.93

| | |
|--------------------------------|------|
| Facilities Maintenance Group | 3042 |
| EV Requirements Group | 912 |
| Countermeasures Concepts Group | 2796 |
| Sol. State Electr. Directorate | 379 |





Building 620
Basement Floor
Existing Occupancy Plan
6.11.93

(2)

APPENDIX C

Existing Space Inventory

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Group

08/22/93
Page 1

| Group | Area(SF) |
|---------------------------------------|----------|
| Unassigned | 224,862 |
| AA Avionic Directorate | 3,500 |
| AAA Systems Avionics Division | 2,120 |
| AAA-1 Artificial Intell. Tech Office | 1,235 |
| AAA-2 Cockpit Avionics Office | 1,691 |
| AAAF Avionics Logistics Branch | 587 |
| AAAF-1 Avionics Support Tech Group | 3,504 |
| AAAF-2 Readiness Technology Group | 1,317 |
| AAAF-3 Software Concepts Group | 1,215 |
| AAAI Navigation & Info. Trans. Br. | 770 |
| AAAI-1 Integrated CNI Systems Group | 4,346 |
| AAAI-2 Communications Tech Group | 2,081 |
| AAAI-3 Navigation Systems Group | 1,852 |
| AAAI-4 Analysis and Evaluation Group | 4,187 |
| AAAS Systems Integration Branch | 1,010 |
| AAAS-1 Advanced Integration Group | 1,315 |
| AAAS-2 Systems Group | 4,618 |
| AAAS-3 Technology Applications Group | 1,640 |
| AAAT Info. Processing Tech. Branch | 932 |
| AAAT-1 Advance Systems Research Group | 2,025 |
| AAAT-2 Data and Signal Processing Grp | 2,167 |
| AAC Financial Management Division | 2,675 |
| AAO Management Operations Division | 1,700 |
| AAOA Administration Branch | 873 |
| AAOP Technical Operations Branch | 1,540 |
| AAOR Technology Strategy Branch | 1,230 |
| AAR Mission Avionics Division | 6,200 |
| AARA Target Recognition Tech Branch | 1,640 |
| AARA-1 Development Group | 925 |
| AARA-2 Technology Group | 3,520 |
| AARF Sensor Evaluation Branch | 44,120 |
| AARF-1 Sensor/System Group | 1,840 |
| AARF-2 Instrumentation Group | 1,245 |
| AARF-3 Computation Group | 1,625 |
| AARI Electro-Optics Branch | 2,180 |
| AARI-1 EO Systems Group | 1,000 |
| AARI-2 EO Techniques Group | 11,055 |
| AARI-3 EO Evaluation/Analysis Group | 3,700 |
| AARI-4 Integrated EO Sensor Group | 1,125 |
| AARM Radar Branch | 850 |
| AARM-1 Technology Development Group | 3,390 |
| AARM-2 Technology Applications Group | 3,290 |
| AARM-3 Analysis & Signal Proc Group | 5,915 |
| AART Applications Branch | 1,230 |
| AART-1 Air Superiority Group | 2,680 |
| AART-2 Systems Concept Group | 4,685 |
| AART-3 Surface Strike Group | 3,285 |
| AAT Avionics Tech Service Division | 445 |
| AATF Avionics Facilities Branch | 8,922 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Group

08/22/93
Page 2

| Group | | Area(SF) |
|------------|--------------------------------|----------|
| AATF-1 | Facilities Maintenance Group | 3,042 |
| AATF-2 | Avionics Equipment Group | 2,673 |
| AAW | Electronics Warfare Division | 2,757 |
| AAWA | EW Reqmnts & Effects Eval. Br | 1,377 |
| AAWA-1 | EW Requirements Group | 17,026 |
| AAWA-2 | Effectiveness Evaluation Group | 7,975 |
| AAWD | ECM Advanced Developmnt Branch | 1,280 |
| AAWD-1 | EW Advanced Dev Program Group | 1,440 |
| AAWD-2 | EO Warfare Adv Dev Prog Group | 1,440 |
| AAWD-3 | Integrated EW Systems Group | 1,440 |
| AAWP | Passive Elec Countermeasure Br | 8,456 |
| AAWP-1 | ESM Technology Group | 8,253 |
| AAWP-2 | Exploitation Group | 41,986 |
| AAWP-3 | Electro-Optics Group | 11,810 |
| AAWW | Active Elec Countermeasure Br | 1,397 |
| AAWW-1 | CM Technology Group | 2,673 |
| AAWW-2 | Countermeasures Concepts Group | 8,664 |
| AAWW-3 | E-O Warfare Group | 3,603 |
| DOIA | AV/SS Elec Computer Support Br | 3,945 |
| DOLA | Supportability Office | 740 |
| DOM | Supply Specialist Unit | 682 |
| DOSA | Safety Office | 223 |
| DOWA | Meteorology Office | 665 |
| DOYA | Security Office | 180 |
| EL | Sol. State Electr. Directorate | 27,206 |
| EL-CA | Chief Scientist - EL | 446 |
| ELA | Operations Division | 2,098 |
| ELE | Microelectronics Division | 4,537 |
| ELM | Microwave Division | 4,637 |
| ELO | Electro-Optics Division | 26,355 |
| ELOD | Electro-Optics Detector Branch | 1,183 |
| ELR | Research Division | 7,205 |
| Total Area | | 597,060 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Inventory by Grp/Bld/Typ

09/02/83

Page 1

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|----------------------|-------------------------------|------------------|-------|---------------|
| Unassigned | | | | |
| Building:18F | | | | |
| | 18F- | Mech | | 2,100 |
| | 18F- | Mech. | | 400 |
| | 18F- | Restrooms | | 410 |
| | 18F-1XX2 | | | 240 |
| | 18F-2XX2 | | | 1,110 |
| | Building:18F Subtotal | | | 4,260 |
| Building:22 | | | | |
| | 22- | Restrooms | | 905 |
| | 22- | Mech Room | | 380 |
| | 22- | Telephone Closet | | 30 |
| | 22- | Restrooms | | 525 |
| | 22- | Mech Room | | 380 |
| | 22-1XX2 | | | 8,150 |
| | 22-2XX2 | | | 3,290 |
| | Building:22 Subtotal | | | 13,660 |
| Building:22B | | | | |
| | 22B- | Restrooms | | 400 |
| | 22B-1XX2 | | | 23,370 |
| | Building:22B Subtotal | | | 23,770 |
| Building:23 | | | | |
| | 23- | Restrooms | | 180 |
| | 23-1XX2 | | | 1,660 |
| | 23-2XX2 | | | 2,290 |
| | 23-3XX2 | | | 290 |
| | Building:23 Subtotal | | | 4,420 |
| Building:4ABF | | | | |
| | 4ABF- | Restrooms | | 430 |
| | 4ABF- | Mech Rooms | | 830 |
| | 4ABF- | Restrooms | | 730 |
| | 4ABF-1XX2 | | | 24,665 |
| | 4ABF-2XX2 | | | 1,600 |
| | Building:4ABF Subtotal | | | 28,255 |
| Building:620 | | | | |
| | 620- | | | 105 |
| | 620- | Mech Room | | 5,429 |
| | 620-1-101 | Restroom | | 367 |
| | 620-1-102 | Vestibule | | 155 |
| | 620-1-103 | | | 158 |
| | 620-1-105 | | | 173 |
| | 620-1-106 | Restroom | | 321 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 2

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|-------------|---------------|-------|----------|
| | 620-1-107 | Aisle | | 176 |
| | 620-1-108 | Repro. | | 145 |
| | 620-1-109 | | | 108 |
| | 620-1-110 | Restroom | | 370 |
| | 620-1-111 | Corridor | | 1,651 |
| | 620-1-112 | Aisle | | 830 |
| | 620-1-113 | | | 196 |
| | 620-1-114 | Aisle | | 385 |
| | 620-1-115 | | | 131 |
| | 620-1-116 | Vestibule | | 155 |
| | 620-1-117 | | | 151 |
| | 620-1-118 | Restroom | | 356 |
| | 620-1-119 | Jan. | | 70 |
| | 620-1-120 | | | 160 |
| | 620-1-123 | MECH | | 2,421 |
| | 620-1-125 | | | 105 |
| | 620-1-126 | Jan. | | 194 |
| | 620-1-127 | Corridor | | 10,166 |
| | 620-1-130 | Corr. | | 202 |
| | 620-1-131 | | | 181 |
| | 620-1-132 | Aisle | | 182 |
| | 620-1-133 | | | 171 |
| | 620-1-134 | Jan. | | 73 |
| | 620-1-135 | | | 240 |
| | 620-1-140 | MECH | | 5,429 |
| | 620-1-141 | Corridor | | 278 |
| | 620-1-142 | | | 142 |
| | 620-1-A36 | Office | | 707 |
| | 620-1-C116 | Corr. | | 203 |
| | 620-1-K69 | Corr. | | 202 |
| | 620-1-U69 | Corr. | | 142 |
| | 620-1XX1 | Exterior Wall | | 3,832 |
| | 620-1XX2 | | | 4,045 |
| | 620-2-101 | Restroom | | 367 |
| | 620-2-102 | | | 160 |
| | 620-2-103 | Jan. | | 91 |
| | 620-2-105 | | | 173 |
| | 620-2-106 | Restroom | | 321 |
| | 620-2-107 | | | 108 |
| | 620-2-108 | Repro. | | 145 |
| | 620-2-109 | Aisle | | 222 |
| | 620-2-110 | Restroom | | 370 |
| | 620-2-111 | Aisle | | 776 |
| | 620-2-112 | Corr. | | 1,651 |
| | 620-2-113 | | | 198 |
| | 620-2-114 | Jan. | | 108 |
| | 620-2-115 | | | 153 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

08/02/83
Page 3

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|-------------|---------------|-------|----------|
| | 620-2-116 | Restroom | | 356 |
| | 620-2-118 | Aisle | | 372 |
| | 620-2-119 | Jan. | | 67 |
| | 620-2-120 | | | 166 |
| | 620-2-122 | Restroom | | 105 |
| | 620-2-123 | | | 190 |
| | 620-2-124 | Corr. | | 11,738 |
| | 620-2-127 | Aisle | | 283 |
| | 620-2-128 | | | 169 |
| | 620-2-129 | Aisle | | 486 |
| | 620-2-130 | Aisle | | 486 |
| | 620-2-131 | Aisle | | 162 |
| | 620-2-132 | Aisle | | 162 |
| | 620-2-133 | Aisle | | 1,910 |
| | 620-2-134 | Aisle | | 182 |
| | 620-2-135 | MECH | | 282 |
| | 620-2-136 | MECH | | 476 |
| | 620-2-138 | Jan. | | 46 |
| | 620-2-139 | | | 243 |
| | 620-2-140 | | | 171 |
| | 620-2-141 | Aisle | | 1,379 |
| | 620-2-146 | Restroom | | 574 |
| | 620-2-147 | Aisle | | 1,076 |
| | 620-2-M104 | MECH | | 7,981 |
| | 620-2XX1 | Exterior Wall | | 2,959 |
| | 620-2XX2 | | | 4,107 |
| | 620-3-101 | Restroom | | 367 |
| | 620-3-103 | Jan. | | 91 |
| | 620-3-105 | | | 173 |
| | 620-3-106 | Restroom | | 321 |
| | 620-3-107 | | | 108 |
| | 620-3-108 | Corr. | | 1,651 |
| | 620-3-109 | Restroom | | 370 |
| | 620-3-110 | Aisle | | 182 |
| | 620-3-111 | Jan. | | 108 |
| | 620-3-112 | Restroom | | 356 |
| | 620-3-113 | Aisle | | 590 |
| | 620-3-114 | Jan. | | 67 |
| | 620-3-115 | | | 152 |
| | 620-3-116 | Jan. | | 98 |
| | 620-3-117 | | | 179 |
| | 620-3-118 | Aisle | | 790 |
| | 620-3-119 | Aisle | | 182 |
| | 620-3-120 | Aisle | | 182 |
| | 620-3-121 | Corr. | | 9,962 |
| | 620-3-124 | Aisle | | 263 |
| | 620-3-125 | | | 169 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 4

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|-------------------------------|------------------|-------|----------------|
| | 620-3-127 | | | 171 |
| | 620-3-128 | | | 206 |
| | 620-3-129 | Jan. | | 33 |
| | 620-3-C105 | Aisle | | 648 |
| | 620-3XX1 | Exterior Wall | | 1,856 |
| | 620-3XX2 | | | 2,384 |
| | 620-B-101 | | | 154 |
| | 620-B-104 | | | 173 |
| | 620-B-105 | Corridor | | 4,152 |
| | 620-B-106 | Maintenance | | 2,735 |
| | 620-B-107 | | | 112 |
| | 620-B-110 | | | 150 |
| | 620-B-114 | Mechanical | | 19,834 |
| | 620-B-115 | Jan. | | 86 |
| | 620-B-116 | Mechanical | | 6,434 |
| | 620-BXX1 | Exterior Wall | | 2,037 |
| | 620-BXX2 | | | 1,030 |
| | 620-C-102 | | | 160 |
| | 620-RXX1 | Exterior Wall | | 200 |
| | 620-RXX2 | | | 200 |
| | 620-TXX2 | | | 350 |
| | Building:620 Subtotal | | | 140,918 |
| | Building:622 | | | |
| | 622- | Restrooms | | 200 |
| | 622-1XX2 | | | 6,045 |
| | Building:622 Subtotal | | | 6,245 |
| | Building:MODA | | | |
| | MODA- | Restrooms | | 275 |
| | MODA- | Telephone Closet | | 70 |
| | MODA-XX2 | | | 605 |
| | Building:MODA Subtotal | | | 950 |
| | Building:MODB | | | |
| | MODB- | Restrooms | | 275 |
| | MODB | Telephone Closet | | 70 |
| | MODB-XX2 | | | 802 |
| | Building:MODB Subtotal | | | 1,147 |
| | Building:MODC | | | |
| | MODC- | Restrooms | | 275 |
| | MODC- | Telephone Closet | | 70 |
| | MODC-XX2 | | | 692 |
| | Building:MODC Subtotal | | | 1,037 |
| | Unassigned Subtotal | | | 224,662 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 5

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|---|----------------|-----------|-------|----------|
| Avionic Directorate | | | | |
| Building:22 | | | | |
| 22- | General Office | AA | 3,050 | |
| 22- | Conf Room | AA | 450 | |
| Building:22 Subtotal | | | 3,500 | |
| Avionic Directorate Subtotal | | | 3,500 | |
| Systems Avionics Division | | | | |
| Building:22 | | | | |
| 22- | Spec Library | AAA | 800 | |
| Building:22 Subtotal | | | 800 | |
| Building:MODC | | | | |
| MODC- | General Office | AAA | 920 | |
| MODC- | Conf Room | AAA | 400 | |
| Building:MODC Subtotal | | | 1,320 | |
| Systems Avionics Division Subtotal | | | 2,120 | |
| Artificial Intell. Tech Office | | | | |
| Building:620 | | | | |
| 620-1-H61 | Office | AAA-1 | 203 | |
| 620-1-H62 | Office | AAA-1 | 122 | |
| 620-1-J60 | Comp.Rm. | AAA-1 | 122 | |
| 620-1-K61 | Files | AAA-1 | 243 | |
| 620-1-K63 | Office | AAA-1 | 122 | |
| 620-1-K64 | Office | AAA-1 | 122 | |
| 620-1-K66 | Office | AAA-1 | 182 | |
| 620-1-P68 | Office | AAA-1 | 122 | |
| Building:620 Subtotal | | | 1,236 | |
| Artificial Intell. Tech Office Subtotal | | | 1,236 | |
| Cockpit Avionics Office | | | | |
| Building:146 | | | | |
| 146- | General Office | AAA-2 | 1,691 | |
| Building:146 Subtotal | | | 1,691 | |
| Cockpit Avionics Office Subtotal | | | 1,691 | |
| Avionics Logistics Branch | | | | |
| Building:620 | | | | |
| 620-3-Z37 | Office | AAAF | 243 | |
| 620-3-Z39 | Office | AAAF | 182 | |
| 620-3-Z40 | Computer Lab | AAAF | 182 | |
| Building:620 Subtotal | | | 587 | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 6

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|---|-------------|------------------|--------|--------------|
| Avionics Logistics Branch Subtotal | | | | 587 |
| Avionics Support Tech Group | | | | |
| Building:620 | | | | |
| | 620-3-A40 | Office | AAAF-1 | 162 |
| | 620-3-A45 | Office | AAAF-1 | 324 |
| | 620-3-A47 | Office | AAAF-1 | 162 |
| | 620-3-A50 | Office | AAAF-1 | 243 |
| | 620-3-A52 | Office | AAAF-1 | 162 |
| | 620-3-A53 | Office | AAAF-1 | 162 |
| | 620-3-A56 | Comp. Rm. | AAAF-1 | 262 |
| | 620-3-A57 | Office | AAAF-1 | 80 |
| | 620-3-A59 | VAX Comp. Rm. | AAAF-1 | 188 |
| | 620-3-A60 | Office | AAAF-1 | 80 |
| | 620-3-A62 | Office | AAAF-1 | 182 |
| | 620-3-A65 | Office | AAAF-1 | 81 |
| | 620-3-A66 | Office | AAAF-1 | 122 |
| | 620-3-E59 | VAX Computer Rm. | AAAF-1 | 166 |
| | 620-3-E68 | Office | AAAF-1 | 243 |
| | 620-3-M54 | ESIP Lab | AAAF-1 | 888 |
| Building:620 Subtotal | | | | 3,504 |
| Avionics Support Tech Group Subtotal | | | | 3,504 |
| Readiness Technology Group | | | | |
| Building:620 | | | | |
| | 620-3-V68 | Adams Lab | AAAF-2 | 182 |
| | 620-3-W68 | Office | AAAF-2 | 81 |
| | 620-3-X60 | Office | AAAF-2 | 142 |
| | 620-3-Z57 | Office | AAAF-2 | 183 |
| | 620-3-Z60 | Office | AAAF-2 | 122 |
| | 620-3-Z61 | Office | AAAF-2 | 81 |
| | 620-3-Z63 | Office | AAAF-2 | 264 |
| | 620-3-Z65 | Office | AAAF-2 | 182 |
| | 620-3-Z67 | Office | AAAF-2 | 81 |
| Building:620 Subtotal | | | | 1,317 |
| Readiness Technology Group Subtotal | | | | 1,317 |
| Software Concepts Group | | | | |
| Building:620 | | | | |
| | 620-3-Z43 | Office | AAAF-3 | 263 |
| | 620-3-Z45 | Office | AAAF-3 | 81 |
| | 620-3-Z47 | Office | AAAF-3 | 182 |
| | 620-3-Z49 | Office | AAAF-3 | 162 |
| | 620-3-Z50 | Office | AAAF-3 | 182 |
| | 620-3-Z53 | Office | AAAF-3 | 81 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93

Page 7

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|-----------------------|--------------|--------|----------|
| | 620-3-Z55 | Office | AAAF-3 | 263 |
| | Building:620 Subtotal | | | 1,215 |
| Software Concepts Group Subtotal | | | | 1,215 |
| Navigation & Info. Trans. Br. | | | | |
| | Building:620 | | | |
| | 620-1-X69 | Office | AAAI | 182 |
| | 620-3-W28 | Office | AAAI | 122 |
| | 620-3-Z30 | Office | AAAI | 223 |
| | 620-3-Z32 | Office | AAAI | 243 |
| | Building:620 Subtotal | | | 770 |
| Navigation & Info. Trans. Br. Subtotal | | | | 770 |
| Integrated CNI Systems Group | | | | |
| | Building:620 | | | |
| | 620-1-L69 | Office | AAAI-1 | 81 |
| | 620-1-N69 | Office | AAAI-1 | 162 |
| | 620-1-Q69 | Office | AAAI-1 | 162 |
| | 620-1-S69 | Office | AAAI-1 | 162 |
| | 620-1-T73 | Office | AAAI-1 | 162 |
| | 620-1-T75 | Office | AAAI-1 | 162 |
| | 620-1-T77 | SATCOM Lab 2 | AAAI-1 | 158 |
| | 620-1-U68 | TSSI Office | AAAI-1 | 405 |
| | 620-1-U76 | Office | AAAI-1 | 301 |
| | 620-1-Z65 | TSSI Lab | AAAI-1 | 365 |
| | 620-3-122 | Vault Office | AAAI-1 | 397 |
| | 620-3-P32 | SATCOM Lab | AAAI-1 | 324 |
| | 620-3-Z15 | Office | AAAI-1 | 162 |
| | 620-3-Z16 | Office | AAAI-1 | 162 |
| | 620-3-Z18 | Office | AAAI-1 | 182 |
| | 620-ROOF | Rooftop Lab | AAAI-1 | 1,000 |
| | Building:620 Subtotal | | | 4,346 |
| Integrated CNI Systems Group Subtotal | | | | 4,346 |
| Communications Tech Group | | | | |
| | Building:620 | | | |
| | 620-1-V72 | Laser Lab | AAAI-2 | 182 |
| | 620-3-104 | Vault Office | AAAI-2 | 824 |
| | 620-3-U25 | Office | AAAI-2 | 101 |
| | 620-3-Z20 | Office | AAAI-2 | 162 |
| | 620-3-Z22 | Office | AAAI-2 | 162 |
| | 620-3-Z24 | Office | AAAI-2 | 162 |
| | 620-3-Z26 | Office | AAAI-2 | 81 |
| | 620-3-Z29 | Office | AAAI-2 | 81 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 8

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-------------------------------|--|----------------|--------|----------|
| | 620-TOWER | Laser Corn Lab | AAAI-2 | 325 |
| | Building:620 Subtotal | | | 2,081 |
| | Communications Tech Group Subtotal | | | 2,081 |
| Navigation Systems Group | | | | |
| | Building:620 | | | |
| | 620-3-B74 | Office | AAAI-3 | 206 |
| | 620-3-C73 | Office | AAAI-3 | 189 |
| | 620-3-D75 | Office | AAAI-3 | 162 |
| | 620-3-E75 | Office | AAAI-3 | 162 |
| | 620-3-F69 | Office | AAAI-3 | 162 |
| | 620-3-H75 | Office | AAAI-3 | 158 |
| | 620-3-J70 | Office | AAAI-3 | 122 |
| | 620-3-J71 | Conf. Rm. | AAAI-3 | 243 |
| | 620-3-J75 | Office | AAAI-3 | 166 |
| | 620-3-L75 | Stor. | AAAI-3 | 41 |
| | 620-308 | Office | AAAI-3 | 162 |
| | 620-313 | Office | AAAI-3 | 81 |
| | Building:620 Subtotal | | | 1,852 |
| | Navigation Systems Group Subtotal | | | 1,852 |
| Analysis and Evaluation Group | | | | |
| | Building:620 | | | |
| | 620-1-G69 | Office | AAAI-4 | 162 |
| | 620-1-J69 | Office | AAAI-4 | 81 |
| | 620-1-J72 | Office | AAAI-4 | 81 |
| | 620-1-J73 | Office | AAAI-4 | 162 |
| | 620-1-J75 | Office | AAAI-4 | 162 |
| | 620-1-J77 | Office | AAAI-4 | 157 |
| | 620-1-L71 | Office | AAAI-4 | 243 |
| | 620-1-L76 | Office | AAAI-4 | 162 |
| | 620-1-L77 | Office | AAAI-4 | 161 |
| | 620-3-M47 | ARC Lab | AAAI-4 | 344 |
| | 620-3-P38 | CSEL Lab | AAAI-4 | 648 |
| | 620-3-P45 | IESS Lab | AAAI-4 | 1,215 |
| | 620-3-P50 | Office | AAAI-4 | 365 |
| | 620-3-P53 | Office | AAAI-4 | 243 |
| | Building:620 Subtotal | | | 4,187 |
| | Analysis and Evaluation Group Subtotal | | | 4,187 |
| Systems Integration Branch | | | | |
| | Building:620 | | | |
| | 620-3-U74 | Office | AAAS | 122 |
| | 620-3-V75 | Office | AAAS | 243 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 9

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-------------------------------------|-----------------------|------------------|--------|----------|
| | 620-3-W69 | Conf. Rm. | AAAS | 243 |
| | 620-3-W76 | Office | AAAS | 119 |
| | 620-3-X69 | Office | AAAS | 284 |
| | Building:620 Subtotal | | | 1,010 |
| Systems Integration Branch Subtotal | | | | 1,010 |
| Advanced Integration Group | | | | |
| | Building:620 | | | |
| | 620-3-A31 | Office | AAAS-1 | 122 |
| | 620-3-C32 | Office | AAAS-1 | 202 |
| | 620-3-E30 | Office | AAAS-1 | 142 |
| | 620-3-E32 | Office | AAAS-1 | 182 |
| | 620-3-H30 | Office | AAAS-1 | 81 |
| | 620-3-H32 | Office | AAAS-1 | 182 |
| | 620-3-J30 | Office | AAAS-1 | 223 |
| | 620-3-K31 | Office | AAAS-1 | 182 |
| | Building:620 Subtotal | | | 1,315 |
| Advanced Integration Group Subtotal | | | | 1,315 |
| Systems Group | | | | |
| | Building:620 | | | |
| | 620-3-C24 | Office | AAAS-2 | 122 |
| | 620-3-C26 | Office | AAAS-2 | 182 |
| | 620-3-E24 | Office | AAAS-2 | 81 |
| | 620-3-E26 | Office | AAAS-2 | 81 |
| | 620-3-G26 | Office | AAAS-2 | 122 |
| | 620-3-G49 | Office | AAAS-2 | 81 |
| | 620-3-H24 | Office | AAAS-2 | 81 |
| | 620-3-J24 | Office | AAAS-2 | 162 |
| | 620-3-K25 | Office | AAAS-2 | 243 |
| | 620-3-M51 | ITB Computer Lab | AAAS-2 | 506 |
| | 620-3-M57 | ITB Lab | AAAS-2 | 244 |
| | 620-3-M61 | ITB Lab | AAAS-2 | 851 |
| | 620-3-M68 | ITB Lab | AAAS-2 | 243 |
| | 620-3-P58 | ITB Lab | AAAS-2 | 851 |
| | 620-3-P63 | ITB Lab | AAAS-2 | 365 |
| | 620-3-P68 | ITB Lab | AAAS-2 | 324 |
| | 620-342 | ITB Lab | AAAS-2 | 81 |
| | Building:620 Subtotal | | | 4,618 |
| Systems Group Subtotal | | | | 4,618 |
| Technology Applications Group | | | | |
| | Building:620 | | | |
| | 620-3-A37 | Office | AAAS-3 | 263 |

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|---|-----------------------|-----------|--------|----------|
| | 620-3-A38 | Office | AAAS-3 | 182 |
| | 620-3-C15 | Office | AAAS-3 | 122 |
| | 620-3-C20 | Office | AAAS-3 | 182 |
| | 620-3-E18 | Office | AAAS-3 | 81 |
| | 620-3-E20 | Office | AAAS-3 | 142 |
| | 620-3-G18 | Office | AAAS-3 | 81 |
| | 620-3-J18 | Office | AAAS-3 | 81 |
| | 620-3-J20 | Office | AAAS-3 | 182 |
| | 620-3-K19 | Office | AAAS-3 | 324 |
| | Building:620 Subtotal | | | 1,840 |
| Technology Applications Group Subtotal | | | | 1,840 |
| Info. Processing Tech. Branch | | | | |
| | Building:620 | | | |
| | 620-3-D10 | Office | AAAT | 243 |
| | 620-3-E12 | Office | AAAT | 182 |
| | 620-3-G12 | Office | AAAT | 142 |
| | 620-3-K10 | Office | AAAT | 122 |
| | 620-3-K13 | Conf. Rm. | AAAT | 243 |
| | Building:620 Subtotal | | | 932 |
| Info. Processing Tech. Branch Subtotal | | | | 932 |
| Advance Systems Research Group | | | | |
| | Building:620 | | | |
| | 620-3-J13 | Office | AAAT-1 | 203 |
| | 620-3-M43 | T1 Lab | AAAT-1 | 709 |
| | 620-3-P11 | Office | AAAT-1 | 81 |
| | 620-3-P15 | Office | AAAT-1 | 122 |
| | 620-3-P17 | Office | AAAT-1 | 81 |
| | 620-3-P23 | Office | AAAT-1 | 122 |
| | 620-3-Q11 | Office | AAAT-1 | 81 |
| | 620-3-R20 | Office | AAAT-1 | 162 |
| | 620-3-R22 | Office | AAAT-1 | 182 |
| | 620-3-R23 | Office | AAAT-1 | 162 |
| | 620-443 | Office | AAAT-1 | 122 |
| | Building:620 Subtotal | | | 2,025 |
| Advance Systems Research Group Subtotal | | | | 2,025 |
| Data and Signal Processing Grp | | | | |
| | Building:620 | | | |
| | 620-3-C14 | Office | AAAT-2 | 182 |
| | 620-3-E14 | Office | AAAT-2 | 142 |
| | 620-3-M37 | T2 Lab | AAAT-2 | 851 |
| | 620-3-P18 | Office | AAAT-2 | 122 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 11

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--------------------------------|---|----------------|--------|----------|
| | 620-3-P25 | Office | AAAT-2 | 81 |
| | 620-3-P26 | Office | AAAT-2 | 81 |
| | 620-3-R26 | Office | AAAT-2 | 81 |
| | 620-3-R28 | Office | AAAT-2 | 182 |
| | 620-3-R29 | Office | AAAT-2 | 162 |
| | 620-3-R31 | Office | AAAT-2 | 142 |
| | 620-3-S33 | Office | AAAT-2 | 142 |
| | Building:620 Subtotal | | | 2,167 |
| | Data and Signal Processing Grp Subtotal | | | 2,167 |
| Financial Management Division | | | | |
| | Building:MODC | | | |
| | MODC- | General Office | AAC | 2,676 |
| | Building:MODC Subtotal | | | 2,676 |
| | Financial Management Division Subtotal | | | 2,676 |
| Management Operations Division | | | | |
| | Building:22 | | | |
| | 22- | General Office | AAO | 926 |
| | 22- | Training Room | AAO | 776 |
| | Building:22 Subtotal | | | 1,700 |
| | Management Operations Division Subtotal | | | 1,700 |
| Administration Branch | | | | |
| | Building:22 | | | |
| | 22- | General Office | AAOA | 650 |
| | Building:22 Subtotal | | | 650 |
| | Building:620 | | | |
| | 620-1-A44 | Office | AAOA | 223 |
| | Building:620 Subtotal | | | 223 |
| | Administration Branch Subtotal | | | 873 |
| Technical Operations Branch | | | | |
| | Building:22 | | | |
| | 22- | General Office | AAOP | 1,540 |
| | Building:22 Subtotal | | | 1,540 |
| | Technical Operations Branch Subtotal | | | 1,540 |
| Technology Strategy Branch | | | | |
| | Building:22 | | | |
| | 22- | General Office | AAOR | 1,230 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 12

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|----------------------|-----------|--------|--------------|
| Building:22 Subtotal | | | | 1,230 |
| Technology Strategy Branch Subtotal | | | | 1,230 |
| Mission Avionics Division | | | | |
| Building:22 | | | | |
| 22- | General Office | AAR | 1,475 | |
| 22- | Conf Room | AAR | 415 | |
| 22- | Classified Conf Room | AAR | 810 | |
| 22- | XPN Office/Lab | AAR | 3,500 | |
| Building:22 Subtotal | | | | 6,200 |
| Mission Avionics Division Subtotal | | | | 6,200 |
| Target Recognition Tech Branch | | | | |
| Building:23 | | | | |
| 23- | General Office | AARA | 1,640 | |
| Building:23 Subtotal | | | | 1,640 |
| Target Recognition Tech Branch Subtotal | | | | 1,640 |
| Development Group | | | | |
| Building:23 | | | | |
| 23- | General Office | AARA-1 | 180 | |
| 23- | General Office | AARA-1 | 745 | |
| Building:23 Subtotal | | | | 925 |
| Development Group Subtotal | | | | 925 |
| Technology Group | | | | |
| Building:18F | | | | |
| 18F- | Model Based Vis Lab | AARA-2 | 675 | |
| 18F- | General Office | AARA-2 | 2,560 | |
| 18F- | Conf Room | AARA-2 | 175 | |
| Building:18F Subtotal | | | | 3,410 |
| Building:23 | | | | |
| 23- | General Office | AARA-2 | 110 | |
| Building:23 Subtotal | | | | 110 |
| Technology Group Subtotal | | | | 3,520 |
| Sensor Evaluation Branch | | | | |
| Building:18F | | | | |
| 18F- | Bldg 18F Lab | AARF | 10,800 | |
| 18F- | Test Lab | AARF | 2,785 | |
| 18F- | Contractor Office | AARF | 570 | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 13

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------------------------|-------------|----------------------|--------|----------|
| 18F- | | Computer Room | AARF | 640 |
| Building:18F Subtotal | | | | 14,795 |
| Building:23 | | | | |
| 23- | | Dynamic Analyzer Lab | AARF | 14,500 |
| 23- | | Break Room | AARF | 875 |
| 23- | | MTL Contr. Office | AARF | 500 |
| 23- | | SEQUAL Lab | AARF | 1,150 |
| 23- | | SDSA Lab | AARF | 4,565 |
| 23- | | Dyn Antz Supp Equip | AARF | 5,520 |
| 23- | | MTL Contract Office | AARF | 945 |
| 23- | | General Office | AARF | 205 |
| 23- | | General Office | AARF | 760 |
| 23- | | Vault | AARF | 85 |
| 23- | | Copy Room | AARF | 100 |
| 23- | | Conf Room | AARF | 320 |
| Building:23 Subtotal | | | | 29,325 |
| Sensor Evaluation Branch Subtotal | | | | 44,120 |
| Sensor/System Group | | | | |
| Building:18F | | | | |
| 18F- | | General Office | AARF-1 | 200 |
| Building:18F Subtotal | | | | 200 |
| Building:23 | | | | |
| 23- | | General Office | AARF-1 | 680 |
| 23- | | General Office | AARF-1 | 960 |
| Building:23 Subtotal | | | | 1,640 |
| Sensor/System Group Subtotal | | | | 1,840 |
| Instrumentation Group | | | | |
| Building:18F | | | | |
| 18F- | | General Office | AARF-2 | 880 |
| Building:18F Subtotal | | | | 880 |
| Building:23 | | | | |
| 23- | | General Office | AARF-2 | 365 |
| Building:23 Subtotal | | | | 365 |
| Instrumentation Group Subtotal | | | | 1,245 |
| Computation Group | | | | |
| Building:18F | | | | |
| 18F- | | General Office | AARF-3 | 180 |
| Building:18F Subtotal | | | | 180 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 14

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|----------------|-----------|---------------|----------|
| Building:23 | | | | |
| 23- | General Office | AARF-3 | 1,235 | |
| 23- | General Office | AARF-3 | 210 | |
| Building:23 Subtotal | | | 1,445 | |
| Computation Group Subtotal | | | 1,625 | |
| Electro-Optics Branch | | | | |
| Building:22 | | | | |
| 22- | General Office | AARI | 1,200 | |
| 22- | Conf Room | AARI | 480 | |
| 22- | Conf Room | AARI | 500 | |
| Building:22 Subtotal | | | 2,180 | |
| Electro-Optics Branch Subtotal | | | 2,180 | |
| EO Systems Group | | | | |
| Building:22 | | | | |
| 22- | General Office | AARI-1 | 1,000 | |
| Building:22 Subtotal | | | 1,000 | |
| EO Systems Group Subtotal | | | 1,000 | |
| EO Techniques Group | | | | |
| Building:622 | | | | |
| 622- | General Office | AARI-2 | 2,760 | |
| 622- | Collimator Lab | AARI-2 | 6,525 | |
| 622- | Conf Room | AARI-2 | 640 | |
| 622- | Computer Lab | AARI-2 | 660 | |
| 622- | Storage | AARI-2 | 470 | |
| Building:622 Subtotal | | | 11,055 | |
| EO Techniques Group Subtotal | | | 11,055 | |
| EO Evaluation/Analysis Group | | | | |
| Building:622 | | | | |
| 622- | General Office | AARI-3 | 1,715 | |
| 622- | Bldg 622 Lab | AARI-3 | 1,985 | |
| Building:622 Subtotal | | | 3,700 | |
| EO Evaluation/Analysis Group Subtotal | | | 3,700 | |
| Integrated EO Sensor Group | | | | |
| Building:22 | | | | |
| 22- | General Office | AARI-4 | 1,125 | |
| Building:22 Subtotal | | | 1,125 | |
| Integrated EO Sensor Group Subtotal | | | 1,125 | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 15

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|---|--------------------|-----------|-------|----------|
| Radar Branch | | | | |
| Building:22 | | | | |
| 22- | General Office | AARM | 850 | |
| Building:22 Subtotal | | | 850 | |
| Radar Branch Subtotal | | | 850 | |
| Technology Development Group | | | | |
| Building:22 | | | | |
| 22- | General Office | AARM-1 | 1,720 | |
| 22- | H140 Lab ??? | AARM-1 | 510 | |
| 22- | General Office | AARM-1 | 1,160 | |
| Building:22 Subtotal | | | 3,390 | |
| Technology Development Group Subtotal | | | 3,390 | |
| Technology Applications Group | | | | |
| Building:22 | | | | |
| 22- | Rooms H160-164 ??? | AARM-2 | 2,200 | |
| 22- | Conf Room | AARM-2 | 280 | |
| 22- | Radar Lab | AARM-2 | 800 | |
| Building:22 Subtotal | | | 3,280 | |
| Technology Applications Group Subtotal | | | 3,280 | |
| Analysis & Signal Proc Group | | | | |
| Building:22 | | | | |
| 22- | Signal Proc Lab | AARM-3 | 2,280 | |
| 22- | Rooms H160 ????? | AARM-3 | 1,270 | |
| 22- | Rooms H146 | AARM-3 | 2,100 | |
| 22- | Room H182a ??? | AARM-3 | 265 | |
| Building:22 Subtotal | | | 5,915 | |
| Analysis & Signal Proc Group Subtotal | | | 5,915 | |
| Applications Branch | | | | |
| Building:22 | | | | |
| 22- | General Office | AART | 975 | |
| 22- | Conf. Room | AART | 255 | |
| Building:22 Subtotal | | | 1,230 | |
| Applications Branch Subtotal | | | 1,230 | |
| Air Superiority Group | | | | |
| Building:22 | | | | |
| 22- | General Office | AART-1 | 2,175 | |
| 22- | Vault Room | AART-1 | 505 | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 16

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|------------------|-----------|-------|--------------|
| Building:22 Subtotal | | | | 2,690 |
| Air Superiority Group Subtotal | | | | 2,690 |
| Systems Concept Group | | | | |
| Building:22 | | | | |
| 22- | General Office | AART-2 | 3,035 | |
| 22- | Computer Labs | AART-2 | 560 | |
| 22- | FCSM Lab | AART-2 | 1,100 | |
| Building:22 Subtotal | | | | 4,695 |
| Systems Concept Group Subtotal | | | | 4,695 |
| Surface Strike Group | | | | |
| Building:22 | | | | |
| 22- | General Office | AART-3 | 3,125 | |
| 22- | Equipment Stores | AART-3 | 160 | |
| Building:22 Subtotal | | | | 3,285 |
| Surface Strike Group Subtotal | | | | 3,285 |
| Avionics Tech Service Division | | | | |
| Building:MODC | | | | |
| MODC- | General Office | AAT | 445 | |
| Building:MODC Subtotal | | | | 445 |
| Avionics Tech Service Division Subtotal | | | | 445 |
| Avionics Facilities Branch | | | | |
| Building:22 | | | | |
| 22- | Storage Bldg 22 | AATF | 630 | |
| Building:22 Subtotal | | | | 630 |
| Building:620 | | | | |
| 620-1-138 | DSI Control Rm. | AATF | 568 | |
| 620-1-139 | Office | AATF | 112 | |
| 620-1-144 | AATF Stor. | AATF | 759 | |
| 620-1-E70 | Receiving | AATF | 760 | |
| 620-2-121 | Auditorium | AATF | 3,146 | |
| 620-2-161 | Bldg.Control Rm. | AATF | 551 | |
| 620-3-N78 | Office | AATF | 122 | |
| 620-3-P69 | Cafeteria | AATF | 1,006 | |
| Building:620 Subtotal | | | | 7,022 |
| Building:MODC | | | | |
| MODC- | General Office | AATF | 990 | |
| MODC- | Drafting Room | AATF | 280 | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 17

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|-------------|---------------------|--------|--------------|
| Building-MODC Subtotal | | | | 1,270 |
| Avionics Facilities Branch Subtotal | | | | 8,922 |
| Facilities Maintenance Group | | | | |
| Building:620 | | | | |
| | 620-B-109 | Maint. Supplies | AATF-1 | 404 |
| | 620-B-111 | Contractor Rm. | AATF-1 | 411 |
| | 620-B-112 | Maint. Shop & Stor. | AATF-1 | 1,803 |
| | 620-B-113 | Maint. Shop & Stor. | AATF-1 | 625 |
| Building:620 Subtotal | | | | 3,042 |
| Facilities Maintenance Group Subtotal | | | | 3,042 |
| Avionics Equipment Group | | | | |
| Building:620 | | | | |
| | 620-1-A56 | PME Rcvg. | AATF-2 | 385 |
| | 620-1-B50 | Office | AATF-2 | 122 |
| | 620-1-B57 | Office | AATF-2 | 162 |
| | 620-1-C51 | Office | AATF-2 | 182 |
| | 620-1-E62 | PME Stor. | AATF-2 | 889 |
| | 620-1-J57 | Office | AATF-2 | 81 |
| | 620-1-K56 | PME Lab | AATF-2 | 1,053 |
| Building:620 Subtotal | | | | 2,673 |
| Avionics Equipment Group Subtotal | | | | 2,673 |
| Electronics Warfare Division | | | | |
| Building:620 | | | | |
| | 620-2-104 | Vault Conf. Rm. | AAW | 824 |
| | 620-2-R19 | Conf. Rm. | AAW | 354 |
| | 620-2-V19 | Office | AAW | 248 |
| | 620-2-V22 | Office | AAW | 263 |
| | 620-2-W23 | Office | AAW | 263 |
| | 620-2-W24 | Stor. | AAW | 41 |
| | 620-2-Y21 | Stor. | AAW | 61 |
| | 620-2-Z20 | Office | AAW | 379 |
| | 620-TOWER | EW Tower Lab | AAW | 325 |
| Building:620 Subtotal | | | | 2,757 |
| Electronics Warfare Division Subtotal | | | | 2,757 |
| EW Reqrmts & Effects Eval. Br | | | | |
| Building:620 | | | | |
| | 620-1-W29 | Office | AAWA | 243 |
| | 620-1-X33 | Office | AAWA | 81 |
| | 620-1-Y31 | Office | AAWA | 122 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Inventory by Grp/Bld/Typ

09/02/93
 Page 18

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|-----------------------|------------------|--------|----------|
| | 620-1-Z31 | Office | AAWA | 203 |
| | 620-2-D4 | TIC Library | AAWA | 729 |
| | Building:620 Subtotal | | | 1,377 |
| EW Requirements & Effects Eval. Bld Subtotal | | | | 1,377 |
| EW Requirements Group | | | | |
| | Building:22 | | | |
| | 22- | General Office | AAWA-1 | 715 |
| | 22- | Rooms H107 ??? | AAWA-1 | 1,200 |
| | 22- | RW Lab | AAWA-1 | 2,800 |
| | Building:22 Subtotal | | | 4,715 |
| Building:620 | | | | |
| | 620-1-104 | Vault Labs 1.5 | AAWA-1 | 824 |
| | 620-1-128 | Vault Labs 1.7 | AAWA-1 | 397 |
| | 620-1-129 | Vault Labs 1.6 | AAWA-1 | 397 |
| | 620-1-M38 | ECSRL Lab | AAWA-1 | 567 |
| | 620-1-M40 | ECSRL Lab | AAWA-1 | 284 |
| | 620-1-M41 | ECSRL Lab | AAWA-1 | 284 |
| | 620-1-M46 | ECSRL Lab | AAWA-1 | 567 |
| | 620-1-M47 | ECSRL Lab | AAWA-1 | 284 |
| | 620-1-N49 | ECSRL Lab | AAWA-1 | 486 |
| | 620-1-N52 | Office | AAWA-1 | 486 |
| | 620-1-P35 | ECSRL Lab | AAWA-1 | 608 |
| | 620-1-P40 | ECSRL Lab | AAWA-1 | 846 |
| | 620-1-P48 | ECSRL Lab | AAWA-1 | 846 |
| | 620-1-Q26 | Conf.Rm. | AAWA-1 | 238 |
| | 620-1-Q28 | Office | AAWA-1 | 119 |
| | 620-1-Q30 | Office | AAWA-1 | 122 |
| | 620-1-Q32 | Office | AAWA-1 | 119 |
| | 620-1-Q34 | Office | AAWA-1 | 119 |
| | 620-1-S27 | Office | AAWA-1 | 142 |
| | 620-1-S32 | Office | AAWA-1 | 203 |
| | 620-1-V25 | Files/Stor. | AAWA-1 | 326 |
| | 620-1-V31 | Office | AAWA-1 | 203 |
| | 620-1-V35 | Storage | AAWA-1 | 628 |
| | 620-1-W46 | Office | AAWA-1 | 425 |
| | 620-1-W52 | Lab/Recept. | AAWA-1 | 425 |
| | 620-1-Z23 | Office | AAWA-1 | 162 |
| | 620-1-Z25 | Office | AAWA-1 | 162 |
| | 620-1-Z84 | Office | AAWA-1 | 1,134 |
| | 620-B-103 | Vault 0.5 | AAWA-1 | 912 |
| | Building:620 Subtotal | | | 12,311 |
| EW Requirements Group Subtotal | | | | 17,026 |
| Effectiveness Evaluation Group | | | | |
| | Building:620 | | | |
| | 620-1-122 | Classified Stor. | AAWA-2 | 752 |

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|------------------------|--------------------|--------|----------|
| | 620-1-124 | Recept. Area | AAWA-2 | 238 |
| | 620-1-D1 | Office | AAWA-2 | 203 |
| | 620-1-D10 | Office | AAWA-2 | 203 |
| | 620-1-D13 | Office | AAWA-2 | 263 |
| | 620-1-D16 | Office | AAWA-2 | 142 |
| | 620-1-D18 | Office | AAWA-2 | 203 |
| | 620-1-D22 | Office | AAWA-2 | 203 |
| | 620-1-D25 | Office | AAWA-2 | 203 |
| | 620-1-D28 | Office | AAWA-2 | 142 |
| | 620-1-D31 | Office | AAWA-2 | 203 |
| | 620-1-D34 | Office | AAWA-2 | 203 |
| | 620-1-D4 | Office | AAWA-2 | 203 |
| | 620-1-D7 | Office | AAWA-2 | 142 |
| | 620-1-F31 | Conf. Rm. | AAWA-2 | 304 |
| | 620-1-H10 | Office | AAWA-2 | 425 |
| | 620-1-H17 | Equip.Maint. | AAWA-2 | 365 |
| | 620-1-H25 | Office | AAWA-2 | 182 |
| | 620-1-H28 | Office | AAWA-2 | 182 |
| | 620-1-J26 | Simulation Labs | AAWA-2 | 2,653 |
| | 620-1-J31 | Config. Mgt. Files | AAWA-2 | 567 |
| | Building:620 Subtotal | | | 7,975 |
| Effectiveness Evaluation Group Subtotal | | | | 7,975 |
| ECM Advanced Development Branch | | | | |
| | Building:MODB | | | |
| | MODB- | General Office | AAWD | 640 |
| | MODB- | Conf Room | AAWD | 360 |
| | MODB- | Repro Room | AAWD | 80 |
| | MODB- | Computer Room | AAWD | 200 |
| | Building:MODB Subtotal | | | 1,280 |
| ECM Advanced Development Branch Subtotal | | | | 1,280 |
| EW Advanced Dev Program Group | | | | |
| | Building:MODB | | | |
| | MODB- | General Office | AAWD-1 | 1,440 |
| | Building:MODB Subtotal | | | 1,440 |
| EW Advanced Dev Program Group Subtotal | | | | 1,440 |
| EO Warfare Adv Dev Prog Group | | | | |
| | Building:MODB | | | |
| | MODB- | General Office | AAWD-2 | 1,440 |
| | Building:MODB Subtotal | | | 1,440 |
| EO Warfare Adv Dev Prog Group Subtotal | | | | 1,440 |

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|---|-------------|---------------------|--------|----------|
| Integrated EW Systems Group | | | | |
| Building:MOD8 | | | | |
| | MOD8- | General Office | AAWD-3 | 1,440 |
| Building:MOD8 Subtotal | | | | 1,440 |
| Integrated EW Systems Group Subtotal | | | | 1,440 |
| Passive Elec Countermeasure Br | | | | |
| Building:4ABF | | | | |
| | 4ABF- | Vehicle Storage | AAWP | 5,735 |
| | 4ABF- | Laser/Radar Tower | AAWP | 840 |
| | 4ABF- | Break Room | AAWP | 400 |
| | 4ABF- | Visiting Room | AAWP | 230 |
| | 4ABF- | Copier Room | AAWP | 245 |
| | 4ABF- | Secret Conf Room | AAWP | 500 |
| Building:4ABF Subtotal | | | | 7,950 |
| Building:620 | | | | |
| | 620-2-Z29 | Office | AAWP | 263 |
| | 620-2-Z31 | Office | AAWP | 243 |
| Building:620 Subtotal | | | | 506 |
| Passive Elec Countermeasure Br Subtotal | | | | 8,456 |
| ESM Technology Group | | | | |
| Building:4ABF | | | | |
| | 4ABF- | EWAAD and Computers | AAWP-1 | 1,010 |
| | 4ABF- | General Office | AAWP-1 | 1,625 |
| | 4ABF- | Conf Room | AAWP-1 | 150 |
| | 4ABF- | 400 HZ Lab | AAWP-1 | 225 |
| | 4ABF- | RWAPL Storage | AAWP-1 | 190 |
| Building:4ABF Subtotal | | | | 3,200 |
| Building:620 | | | | |
| | 620-2-D25 | Office | AAWP-1 | 689 |
| | 620-2-F24 | Lab | AAWP-1 | 643 |
| | 620-2-F31 | Lab | AAWP-1 | 1,043 |
| | 620-2-K7 | H29 Labs | AAWP-1 | 911 |
| | 620-2-P25 | Office | AAWP-1 | 138 |
| | 620-2-P26 | Office | AAWP-1 | 118 |
| | 620-2-P31 | Office | AAWP-1 | 118 |
| | 620-2-P32 | Office | AAWP-1 | 118 |
| | 620-2-R24 | Office | AAWP-1 | 162 |
| | 620-2-R25 | Office | AAWP-1 | 182 |
| | 620-2-R28 | Office | AAWP-1 | 182 |
| | 620-2-R29 | Office | AAWP-1 | 162 |
| | 620-2-R31 | Office | AAWP-1 | 162 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 21

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|-----------------------|-----------|--------|----------|
| | 620-2-R33 | Office | AAWP-1 | 182 |
| | 620-2-Z28 | Office | AAWP-1 | 243 |
| | Building:620 Subtotal | | | 5,063 |

ESM Technology Group Subtotal 8,253

Exploitation Group

Building:4ABF

| | | | |
|-------------------------|----------------------|--------|--------|
| 4ABF- | Document Storage | AAWP-2 | 265 |
| 4ABF- | General Office | AAWP-2 | 2,695 |
| 4ABF- | General Lab | AAWP-2 | 300 |
| 4ABF- | Conf Room | AAWP-2 | 125 |
| 4ABF- | RF Lab | AAWP-2 | 1,215 |
| 4ABF- | Laser Lab | AAWP-2 | 2,620 |
| 4ABF- | Adv Int Circ Exp Lab | AAWP-2 | 830 |
| 4ABF- | Radar Range | AAWP-2 | 11,410 |
| 4ABF- | Metal Shop | AAWP-2 | 1,420 |
| 4ABF- | SKIF Vault | AAWP-2 | 230 |
| 4ABF- | ECM Test/Eval Room | AAWP-2 | 1,220 |
| 4ABF- | Test Control Lab | AAWP-2 | 495 |
| 4ABF- | Photo Lab | AAWP-2 | 200 |
| 4ABF- | General Office | AAWP-2 | 3,060 |
| 4ABF- | Contractor Office | AAWP-2 | 510 |
| 4ABF- | Computer Rooms | AAWP-2 | 500 |
| 4ABF- | Anechoic Chamber | AAWP-2 | 5,320 |
| 4ABF- | Radar Lab | AAWP-2 | 845 |
| 4ABF- | Shield Room | AAWP-2 | 795 |
| 4ABF- | Modular Shield Room | AAWP-2 | 635 |
| 4ABF- | Electronic Lab | AAWP-2 | 480 |
| 4ABF- | Lab Support | AAWP-2 | 185 |
| 4ABF- | Storage | AAWP-2 | 615 |
| 4ABF- | Break Room | AAWP-2 | 445 |
| 4ABF- | Other 4ABF Lab | AAWP-2 | 1,110 |
| 4ABF- | Assembly Area | AAWP-2 | 3,780 |
| 4ABF- | ECM Lab | AAWP-2 | 680 |
| Building: 4ABF Subtotal | | | 41,985 |

Exploitation Group Subtotal 41,985

Electro-Optics Group

Building:4ABF

| | | | |
|-------|------------------|--------|-------|
| 4ABF- | General Office | AAWP-3 | 2,485 |
| 4ABF- | Conf Room | AAWP-3 | 625 |
| 4ABF- | IR Lab | AAWP-3 | 2,175 |
| 4ABF- | Laser Lab | AAWP-3 | 4,900 |
| 4ABF- | Env Control Room | AAWP-3 | 375 |
| 4ABF- | RF Lab | AAWP-3 | 365 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 22

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|--|----------------------|--------|----------|
| | 4ABF- | Bldg 4abf Lab | AAWP-3 | 905 |
| | Building:4ABF Subtotal | | | 11,810 |
| | Electro-Optics Group Subtotal | | | 11,810 |
| | Active Elec Countermeasure Br | | | |
| | Building:620 | | | |
| | 620-3-A5 | Office | AAWW | 243 |
| | 620-3-D4 | Office | AAWW | 243 |
| | 620-3-L6 | Office | AAWW | 142 |
| | 620-3-F4 | Conf. Rm. | AAWW | 243 |
| | 620-3-R6 | Computer Rm. | AAWW | 324 |
| | 620-3-T6 | Office | AAWW | 203 |
| | Building:620 Subtotal | | | 1,397 |
| | Active Elec Countermeasure Br Subtotal | | | 1,397 |
| | CM Technology Group | | | |
| | Building:620 | | | |
| | 620-1-U19 | DRFM Lab | AAWW-1 | 835 |
| | 620-1-Z19 | Office | AAWW-1 | 258 |
| | 620-1-Z22 | Office | AAWW-1 | 263 |
| | 620-2-D13 | RFCM Lab | AAWW-1 | 344 |
| | 620-3-G6 | Office | AAWW-1 | 162 |
| | 620-3-J4 | Office | AAWW-1 | 162 |
| | 620-3-J6 | Office | AAWW-1 | 162 |
| | 620-3-L4 | Office | AAWW-1 | 162 |
| | 620-3-L6 | Office | AAWW-1 | 162 |
| | 620-3-P4 | Office | AAWW-1 | 162 |
| | Building:620 Subtotal | | | 2,673 |
| | CM Technology Group Subtotal | | | 2,673 |
| | Countermeasures Concepts Group | | | |
| | Building:620 | | | |
| | 620-1-V1 | Anechoic Chamber Lab | AAWW-2 | 2,209 |
| | 620-2-125 | Vault Conf. Rm. | AAWW-2 | 397 |
| | 620-2-F2 | F02 Storage | AAWW-2 | 203 |
| | 620-2-P12 | Office | AAWW-2 | 117 |
| | 620-2-P2 | Office | AAWW-2 | 79 |
| | 620-2-P3 | Office | AAWW-2 | 117 |
| | 620-2-P8 | Office | AAWW-2 | 235 |
| | 620-2-Q15 | Conf. Rm. | AAWW-2 | 115 |
| | 620-2-R14 | Anechoic Chamber Lab | AAWW-2 | 590 |
| | 620-2-S2 | Office | AAWW-2 | 119 |
| | 620-2-T2 | Office | AAWW-2 | 140 |
| | 620-2-W1 | Conf. Rm. | AAWW-2 | 279 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 23

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|------------------------------|------------------|--------|--------------|
| | 620-3-123 | Vault Office | AAWW-2 | 397 |
| | 620-3-R4 | Office | AAWW-2 | 162 |
| | 620-3-T4 | Office | AAWW-2 | 162 |
| | 620-3-V1 | Office | AAWW-2 | 182 |
| | 620-3-V4 | Office | AAWW-2 | 162 |
| | 620-3-W7 | Office | AAWW-2 | 203 |
| | 620-B-108 | Anachoic Chamber | AAWW-2 | 2,796 |
| | Building:620 Subtotal | | | 8,664 |
| Countermeasures Concepts Group Subtotal | | | | 8,664 |
| E-O Warfare Group | | | | |
| Building:620 | | | | |
| | 620-2-D19 | Office | AAWW-3 | 263 |
| | 620-2-D22 | Office | AAWW-3 | 203 |
| | 620-2-F17 | DIME Lab | AAWW-3 | 2,003 |
| | 620-3-S14 | Office | AAWW-3 | 122 |
| | 620-3-T14 | Office | AAWW-3 | 182 |
| | 620-3-U8 | Office | AAWW-3 | 324 |
| | 620-3-V10 | Office | AAWW-3 | 162 |
| | 620-3-V13 | Office | AAWW-3 | 162 |
| | 620-3-W8 | Office | AAWW-3 | 182 |
| | Building:620 Subtotal | | | 3,603 |
| E-O Warfare Group Subtotal | | | | 3,603 |
| AV/SS Elec Computer Support Br | | | | |
| Building:22 | | | | |
| | 22- | Training Room | DOIA | 560 |
| | Building:22 Subtotal | | | 560 |
| Building:620 | | | | |
| | 620-1-143 | Office | DOIA | 2,676 |
| | 620-1-S64 | Office | DOIA | 405 |
| | 620-1-S68 | Office | DOIA | 304 |
| | Building:620 Subtotal | | | 3,385 |
| AV/SS Elec Computer Support Br Subtotal | | | | 3,945 |
| Supportability Office | | | | |
| Building:22 | | | | |
| | 22- | General Office | DOLA | 740 |
| | Building:22 Subtotal | | | 740 |
| Supportability Office Subtotal | | | | 740 |
| Supply Specialist Unit | | | | |
| Building:620 | | | | |
| | 620-1-137 | DOM Stor. | DOM | 196 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

09/02/93
Page 24

| Group/ Building | Room Number | Room Name | Group | Area(SF) | | | |
|---------------------------------|-----------------------|----------------------|-------|----------|--|--|--|
| | 620-1-A68 | Office | DOM | 81 | | | |
| | 620-1-D68 | Office | DOM | 81 | | | |
| | 620-1-H68 | Office | DOM | 324 | | | |
| | Building:620 Subtotal | | | 682 | | | |
| Supply Specialist Unit Subtotal | | | | 682 | | | |
| Safety Office | | | | | | | |
| | Building:620 | | | | | | |
| | 620-1-A45 | Office | DOSA | 223 | | | |
| | Building:620 Subtotal | | | 223 | | | |
| Safety Office Subtotal | | | | 223 | | | |
| Meteorology Office | | | | | | | |
| | Building:22 | | | | | | |
| | 22- | General Office | DOWA | 370 | | | |
| | 22- | Equip Storage | DOWA | 295 | | | |
| | Building:22 Subtotal | | | 665 | | | |
| Meteorology Office Subtotal | | | | 665 | | | |
| Security Office | | | | | | | |
| | Building:22 | | | | | | |
| | 22- | General Office | DOYA | 180 | | | |
| | Building:22 Subtotal | | | 180 | | | |
| Security Office Subtotal | | | | 180 | | | |
| Sol. State Electr. Directorate | | | | | | | |
| | Building:620 | | | | | | |
| | 620-2-142 | Photoluminescence | EL | 875 | | | |
| | 620-2-143 | Electron. Fabric. & | EL | 645 | | | |
| | 620-2-144 | Deep Level Trap Spec | EL | 368 | | | |
| | 620-2-145 | Ion Implantation | EL | 917 | | | |
| | 620-2-149 | Liquid Helium Produc | EL | 680 | | | |
| | 620-2-150 | Open | EL | 590 | | | |
| | 620-2-AA14 | Machine Shop | EL | 1,303 | | | |
| | 620-2-B18 | Clean Room #1 | EL | 607 | | | |
| | 620-2-C1 | MBE | EL | 901 | | | |
| | 620-2-C17 | ELR Lab #1 | EL | 567 | | | |
| | 620-2-C23 | Equip.Prep. | EL | 342 | | | |
| | 620-2-C73 | Office | EL | 108 | | | |
| | 620-2-C75 | Office | EL | 307 | | | |
| | 620-2-D15 | Plasma DC Test | EL | 898 | | | |
| | 620-2-D18 | Auger Spectroscopy | EL | 928 | | | |
| | 620-2-E17 | Metal | EL | 383 | | | |

| Group/Building | Room Name | Group | Area(SF) |
|-----------------------|-------------------------|-------|----------|
| 620-2-P14 | Sold Up | EL | 267 |
| 620-2-P67 | Sector RF Testing | EL | 638 |
| 620-2-G27 | Pump Rm. | EL | 167 |
| 620-2-G69 | Office | EL | 808 |
| 620-2-H75 | Office | EL | 243 |
| 620-2-J1 | Litho | EL | 701 |
| 620-2-J11 | Wire Bonding Crystal | EL | 713 |
| 620-2-J15 | Office | EL | 122 |
| 620-2-J17 | Furnace | EL | 473 |
| 620-2-J19 | Gas Test Sample Pro | EL | 865 |
| 620-2-J31 | Shop | EL | 183 |
| 620-2-J36 | Solvent Storage | EL | 213 |
| 620-2-J6 | EL2 Topography | EL | 425 |
| 620-2-K14 | Water Prep | EL | 330 |
| 620-2-K38 | Assembly Area | EL | 327 |
| 620-2-L34 | Water System | EL | 321 |
| 620-2-L68 | Conf. Rm. | EL | 425 |
| 620-2-M36 | Acid Storage | EL | 284 |
| 620-2-M46 | Millimeter Wave Chamber | EL | 1,134 |
| 620-2-M57 | RF On Water Testing | EL | 810 |
| 620-2-N29 | Filter | EL | 160 |
| 620-2-N41 | Computer Rm. | EL | 527 |
| 620-2-N46 | Computer Aided Desig | EL | 808 |
| 620-2-N57 | Open | EL | 405 |
| 620-2-N62 | Open | EL | 405 |
| 620-2-P1 | Computer | EL | 484 |
| 620-2-P14 | SEM | EL | 280 |
| 620-2-Q12 | E-Beam Column | EL | 177 |
| 620-2-R18 | Open | EL | 497 |
| 620-2-S27 | Nitrogen Fill Area | EL | 261 |
| 620-2-U57 | Highspeed Testing Ar | EL | 648 |
| 620-2-W10 | Automated Elec. Mass | EL | 739 |
| 620-2-W19 | Infrared Spectroscop | EL | 759 |
| 620-2-W9 | Automated Elec. Mass | EL | 336 |
| 620-2-Z19 | Photoluminescence | EL | 725 |
| 620-2-102 | EL Stor. | EL | 379 |
| Building 200 Subtotal | | | 27,285 |

Sci. State Electr. Structures Subtotal 27,285

Chief Scientist - EL

Building 200

| | | | |
|-----------|--------|-------|-----|
| 620-2-G02 | Office | EL-CA | 61 |
| 620-2-G01 | Office | EL-CA | 122 |
| 620-2-G03 | Office | EL-CA | 243 |

Building 200 Subtotal

446

Chief Scientist - EL Subtotal

446

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

08/02/83
Page 26

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|------------------------------|------------------------|-----------|-------|----------|
| Operations Division | | | | |
| Building: 620 | | | | |
| | 620-2-P71 | Office | ELA | 182 |
| | 620-2-P72 | Office | ELA | 385 |
| | 620-2-P76 | Office | ELA | 242 |
| | 620-2-Q76 | Office | ELA | 179 |
| | 620-2-R71 | Office | ELA | 122 |
| | 620-2-S73 | Office | ELA | 122 |
| | 620-2-T73 | Office | ELA | 122 |
| | 620-2-U71 | Office | ELA | 122 |
| | 620-2-U76 | Office | ELA | 121 |
| | 620-2-V71 | Office | ELA | 182 |
| | 620-2-V77 | Office | ELA | 119 |
| | 620-2-W72 | Office | ELA | 81 |
| | 620-2-W74 | Office | ELA | 122 |
| | Building: 620 Subtotal | | | 2,098 |
| Operations Division Subtotal | | | | 2,098 |
| Microelectronics Division | | | | |
| Building: 620 | | | | |
| | 620-2-P49 | Office | ELE | 81 |
| | 620-2-P51 | Office | ELE | 81 |
| | 620-2-P52 | Office | ELE | 81 |
| | 620-2-P54 | Office | ELE | 81 |
| | 620-2-P68 | Office | ELE | 81 |
| | 620-2-R48 | Office | ELE | 81 |
| | 620-2-R50 | Office | ELE | 182 |
| | 620-2-R53 | Office | ELE | 183 |
| | 620-2-R55 | Office | ELE | 81 |
| | 620-2-S68 | Office | ELE | 81 |
| | 620-2-T55 | Office | ELE | 81 |
| | 620-2-U48 | Office | ELE | 81 |
| | 620-2-U62 | Office | ELE | 223 |
| | 620-2-U68 | Office | ELE | 81 |
| | 620-2-V38 | Conf. Rm. | ELE | 284 |
| | 620-2-V41 | Office | ELE | 182 |
| | 620-2-V44 | Office | ELE | 182 |
| | 620-2-V68 | Office | ELE | 182 |
| | 620-2-W37 | Office | ELE | 243 |
| | 620-2-W45 | Office | ELE | 162 |
| | 620-2-X48 | Office | ELE | 162 |
| | 620-2-X55 | Office | ELE | 162 |
| | 620-2-X57 | Office | ELE | 122 |
| | 620-2-Y48 | Office | ELE | 81 |
| | 620-2-Y55 | Office | ELE | 81 |
| | 620-2-Y57 | Office | ELE | 81 |

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|-----------------------|-----------|-------|----------|
| | 620-2-Z41 | Office | ELE | 567 |
| | 620-2-Z51 | Office | ELE | 81 |
| | 620-2-Z52 | Office | ELE | 81 |
| | 620-2-Z60 | Office | ELE | 81 |
| | 620-2-Z61 | Office | ELE | 81 |
| | 620-2-Z64 | Office | ELE | 81 |
| | 620-2-Z68 | Office | ELE | 162 |
| | Building:620 Subtotal | | | 4,537 |

Microelectronics Division Subtotal 4,537

Microwave Division

Building:620

| | | | |
|-----------|-----------|-----|-----|
| 620-2-A41 | Office | ELM | 567 |
| 620-2-A50 | Office | ELM | 81 |
| 620-2-A53 | Office | ELM | 81 |
| 620-2-A57 | Office | ELM | 81 |
| 620-2-A59 | Office | ELM | 81 |
| 620-2-A61 | Office | ELM | 81 |
| 620-2-A63 | Office | ELM | 81 |
| 620-2-A65 | Office | ELM | 81 |
| 620-2-B48 | Office | ELM | 81 |
| 620-2-B55 | Office | ELM | 81 |
| 620-2-B68 | Office | ELM | 81 |
| 620-2-C48 | Office | ELM | 182 |
| 620-2-C67 | Office | ELM | 142 |
| 620-2-D37 | Office | ELM | 243 |
| 620-2-D45 | Office | ELM | 162 |
| 620-2-D55 | Office | ELM | 182 |
| 620-2-D68 | Office | ELM | 182 |
| 620-2-E38 | Conf. Rm. | ELM | 284 |
| 620-2-E41 | Office | ELM | 182 |
| 620-2-E44 | Office | ELM | 182 |
| 620-2-E62 | Office | ELM | 203 |
| 620-2-E68 | Office | ELM | 182 |
| 620-2-G48 | Office | ELM | 81 |
| 620-2-G55 | Office | ELM | 81 |
| 620-2-H48 | Office | ELM | 81 |
| 620-2-H55 | Office | ELM | 81 |
| 620-2-J50 | Office | ELM | 162 |
| 620-2-J52 | Office | ELM | 162 |
| 620-2-K68 | Office | ELM | 81 |
| 620-2-L48 | Office | ELM | 41 |
| 620-2-L51 | Office | ELM | 122 |
| 620-2-L53 | Office | ELM | 81 |
| 620-2-L55 | Office | ELM | 81 |
| 620-2-M68 | Office | ELM | 81 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Inventory by Grp/Bld/Typ

03/02/93
Page 28

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|--|-------------|----------------------|-------|---------------|
| Building:620 Subtotal | | | | 4,637 |
| Microwave Division Subtotal | | | | 4,637 |
| Electro-Optics Division | | | | |
| Building:228 | | | | |
| 228- | | General Office | ELO | 4,870 |
| 228- | | AV Room | ELO | 210 |
| 228- | | Classified Conf Room | ELO | 800 |
| 228- | | Conf Room | ELO | 410 |
| 228- | | Storage | ELO | 2,630 |
| 228- | | Machine Shop | ELO | 3,400 |
| 228- | | Conf Room | ELO | 650 |
| 228- | | Bldg 228 Labs | ELO | 13,385 |
| Building:228 Subtotal | | | | 26,355 |
| Electro-Optics Division Subtotal | | | | 26,355 |
| Electro-Optics Detector Branch | | | | |
| Building:620 | | | | |
| 620-1-136 | | Office | ELOD | 1,183 |
| Building:620 Subtotal | | | | 1,183 |
| Electro-Optics Detector Branch Subtotal | | | | 1,183 |
| Research Division | | | | |
| Building:620 | | | | |
| 620-2-126 | | Prec.Metal Stor. | ELR | 397 |
| 620-2-148 | | Office | ELR | 91 |
| 620-2-C8 | | Office | ELR | 243 |
| 620-2-D2 | | Office | ELR | 162 |
| 620-2-D3 | | Office | ELR | 162 |
| 620-2-D6 | | Office | ELR | 162 |
| 620-2-E7 | | Office | ELR | 162 |
| 620-2-F7 | | Office | ELR | 162 |
| 620-2-G1 | | Office | ELR | 366 |
| 620-2-G11 | | Office | ELR | 81 |
| 620-2-G15 | | Office | ELR | 122 |
| 620-2-G17 | | Office | ELR | 81 |
| 620-2-K2 | | Office | ELR | 81 |
| 620-2-L4 | | Office | ELR | 122 |
| 620-2-M4 | | Office | ELR | 81 |
| 620-2-N2 | | Office | ELR | 81 |
| 620-2-N25 | | Office | ELR | 211 |
| 620-2-N3 | | Office | ELR | 162 |
| 620-2-U2 | | Office | ELR | 81 |
| 620-2-V3 | | Office | ELR | 182 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Inventory by Gp/Bld/Typ

08/02/83
 Page 28

| Group/ Building | Room Number | Room Name | Group | Area(SF) |
|-----------------|----------------------------|-----------------|-------|----------|
| | 620-2-X1 | Office | ELR | 122 |
| | 620-2-X4 | Office | ELR | 81 |
| | 620-2-Z1 | Office | ELR | 81 |
| | 620-2-Z3 | Office | ELR | 182 |
| | Building:620 Subtotal | | | 3,655 |
| Building:MODA | | | | |
| | MODA- | TSSI Offices | ELR | 1,700 |
| | MODA- | WSU/UES Offices | ELR | 1,700 |
| | MODA- | Conf Room | ELR | 150 |
| | Building:MODA Subtotal | | | 3,550 |
| | Research Division Subtotal | | | 7,205 |
| | Total Area | | | 597,050 |

APPENDIX D

Avionics Laboratory Space Requirements

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Staff & Space Requirements Forecast

06/22/93
Page 1

| | Staff | | | | | | | | | | Rpt Area(SF) | |
|---|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------------|--------|
| | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | | |
| AA Avionic Directorate | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3,795 | 3,795 |
| AAA Systems Avionics Division | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2,599 | 2,599 |
| AAA-1 Artificial Intell. Tech Office | 7 | 7 | 8 | 9 | 10 | 14 | 1,403 | 1,518 | 1,633 | 1,748 | 1,691 | 1,691 |
| AAA-2 Cockpit Avionics Office | 14 | 14 | 14 | 14 | 14 | 14 | 1,691 | 1,691 | 1,691 | 1,691 | 1,691 | 1,691 |
| AAAF Avionics Logistics Branch | 2 | 2 | 2 | 2 | 2 | 2 | 943 | 943 | 943 | 943 | 943 | 943 |
| AAAF-1 Avionics Support Tech Group | 20 | 20 | 20 | 20 | 20 | 20 | 4,424 | 4,539 | 4,539 | 4,539 | 4,539 | 4,539 |
| AAAF-2 Readiness Technology Group | 13 | 13 | 13 | 13 | 13 | 13 | 1,565 | 1,565 | 1,565 | 1,565 | 1,565 | 1,565 |
| AAAF-3 Software Concepts Group | 8 | 9 | 9 | 9 | 9 | 9 | 920 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 |
| AAAI Navigation & Info. Trans. Br. | 3 | 3 | 3 | 3 | 3 | 3 | 932 | 932 | 932 | 932 | 932 | 932 |
| AAAI-1 Integrated CNI Systems Group | 17 | 18 | 18 | 18 | 18 | 18 | 5,658 | 5,543 | 5,543 | 5,543 | 5,543 | 5,543 |
| AAAI-2 Communications Tech Group | 16 | 16 | 15 | 15 | 15 | 15 | 2,576 | 2,576 | 2,576 | 2,576 | 2,576 | 2,576 |
| AAAI-3 Navigation Systems Group | 14 | 14 | 14 | 14 | 14 | 14 | 1,599 | 1,599 | 1,599 | 1,599 | 1,599 | 1,599 |
| AAAI-4 Analysis and Evaluation Group | 19 | 19 | 19 | 19 | 19 | 19 | 4,556 | 4,556 | 4,556 | 4,556 | 4,556 | 4,556 |
| AAAS Systems Integration Branch | 4 | 4 | 4 | 4 | 4 | 4 | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 |
| AAAS-1 Advanced Integration Group | 14 | 14 | 14 | 14 | 14 | 14 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| AAAS-2 Systems Group | 14 | 14 | 14 | 14 | 14 | 14 | 5,152 | 5,152 | 5,152 | 5,152 | 5,152 | 5,152 |
| AAAS-3 Technology Applications Group | 18 | 19 | 19 | 19 | 19 | 19 | 2,289 | 2,369 | 2,369 | 2,369 | 2,369 | 2,369 |
| AAAT Info. Processing Tech. Branch | 4 | 4 | 4 | 4 | 4 | 4 | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 |
| AAAT-1 Advances Systems Research Group | 18 | 19 | 19 | 20 | 20 | 20 | 2,783 | 2,898 | 2,898 | 3,013 | 3,013 | 3,013 |
| AAAT-2 Data and Signal Processing Grp | 12 | 13 | 13 | 13 | 13 | 13 | 2,392 | 2,507 | 2,507 | 2,507 | 2,507 | 2,507 |
| AAA Systems Avionics Division Subtotal | 222 | 225 | 226 | 228 | 229 | 229 | 45,220 | 45,645 | 45,990 | 46,105 | 45,990 | 46,105 |
| AAC Financial Management Division | 23 | 23 | 23 | 23 | 23 | 23 | 2,634 | 2,634 | 2,634 | 2,634 | 2,634 | 2,634 |
| AAO Management Operations Division | 3 | 3 | 3 | 3 | 3 | 3 | 1,668 | 1,668 | 1,668 | 1,668 | 1,668 | 1,668 |
| AAOA Administration Branch | 4 | 4 | 4 | 4 | 4 | 4 | 598 | 598 | 598 | 598 | 598 | 598 |
| AAOP Technical Operations Branch | 9 | 9 | 9 | 9 | 9 | 9 | 1,196 | 1,196 | 1,196 | 1,196 | 1,196 | 1,196 |
| AAOR Technology Strategy Branch | 6 | 6 | 6 | 6 | 6 | 6 | 771 | 771 | 771 | 771 | 771 | 771 |
| AAO Management Operations Division Subtotal | 22 | 22 | 22 | 22 | 22 | 22 | 4,233 | 4,233 | 4,233 | 4,233 | 4,233 | 4,233 |
| AAR Mission Avionics Division | 6 | 6 | 6 | 6 | 6 | 6 | 5,129 | 5,129 | 5,129 | 5,129 | 5,129 | 5,129 |

| | Staff | | | | Rpt Area(SF) | | | | | | |
|--------|--------------------------------|-------|-------|-------|--------------|---------|---------|---------|---------|---------|--|
| | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan03 | Jan04 | Jan05 | Jan07 | Jan09 | |
| AARA | Target Recognition Tech Branch | | | | | | | | | | |
| AARA-1 | 3 | 3 | 3 | 3 | 3 | 748 | 748 | 748 | 748 | 748 | |
| AARA-2 | 19 | 19 | 19 | 19 | 19 | 1,932 | 1,932 | 1,932 | 1,932 | 1,932 | |
| AARF | 28 | 29 | 29 | 29 | 29 | 5,624 | 5,624 | 5,624 | 5,624 | 5,624 | |
| AARF-1 | 28 | 28 | 28 | 28 | 28 | 49,013 | 49,013 | 49,013 | 49,013 | 49,013 | |
| AARF-2 | 15 | 15 | 15 | 15 | 15 | 1,944 | 1,944 | 1,944 | 1,944 | 1,944 | |
| AARF-3 | 12 | 12 | 12 | 12 | 12 | 1,127 | 1,127 | 1,127 | 1,127 | 1,127 | |
| AARM | 12 | 12 | 12 | 12 | 12 | 1,380 | 1,380 | 1,380 | 1,380 | 1,380 | |
| AARM-1 | 5 | 5 | 5 | 5 | 5 | 2,070 | 2,070 | 2,070 | 1,495 | 1,495 | |
| AARM-2 | 12 | 12 | 12 | 12 | 12 | 1,484 | 1,484 | 1,484 | 1,484 | 1,484 | |
| AARM-3 | 31 | 31 | 31 | 31 | 31 | 12,903 | 12,903 | 12,903 | 12,903 | 12,903 | |
| AARM-4 | 16 | 16 | 16 | 16 | 16 | 3,979 | 3,979 | 3,979 | 3,979 | 3,979 | |
| AARM | 8 | 8 | 8 | 8 | 8 | 943 | 943 | 943 | 943 | 943 | |
| AARM | 4 | 4 | 4 | 4 | 4 | 817 | 817 | 817 | 817 | 817 | |
| AARM-1 | 18 | 20 | 20 | 20 | 20 | 2,542 | 2,703 | 2,703 | 2,703 | 2,703 | |
| AARM-2 | 11 | 13 | 13 | 13 | 13 | 1,748 | 1,909 | 1,909 | 1,909 | 1,909 | |
| AARM-3 | 15 | 18 | 18 | 18 | 18 | 4,439 | 4,681 | 4,681 | 4,681 | 4,681 | |
| AART | 3 | 3 | 3 | 3 | 3 | 1,093 | 1,093 | 1,093 | 1,093 | 1,093 | |
| AART-1 | 14 | 14 | 14 | 14 | 14 | 2,185 | 2,185 | 2,185 | 2,185 | 2,185 | |
| AART-2 | 18 | 20 | 20 | 20 | 20 | 3,600 | 3,761 | 3,761 | 3,761 | 3,761 | |
| AART-3 | 14 | 14 | 14 | 14 | 14 | 1,829 | 1,829 | 1,829 | 1,829 | 1,829 | |
| AAR | 293 | 302 | 302 | 302 | 302 | 106,529 | 107,254 | 107,254 | 106,679 | 106,679 | |
| AAT | 2 | 2 | 2 | 2 | 2 | 863 | 863 | 863 | 863 | 863 | |
| AATF | 5 | 5 | 5 | 5 | 5 | 8,890 | 8,890 | 8,890 | 8,890 | 8,890 | |
| AATF-1 | 3 | 3 | 3 | 3 | 3 | 3,863 | 3,863 | 3,863 | 3,863 | 3,863 | |
| AATF-2 | 4 | 4 | 4 | 4 | 4 | 2,910 | 2,910 | 2,910 | 2,910 | 2,910 | |
| AAT | 14 | 14 | 14 | 14 | 14 | 16,526 | 16,526 | 16,526 | 16,526 | 16,526 | |
| AAW | 4 | 4 | 4 | 4 | 4 | 2,494 | 2,494 | 2,494 | 2,494 | 2,494 | |
| AAWA | 3 | 3 | 3 | 3 | 3 | 1,679 | 1,679 | 1,679 | 1,679 | 1,679 | |
| AAWA-1 | 28 | 28 | 28 | 28 | 28 | 14,305 | 14,305 | 14,305 | 14,305 | 14,305 | |
| AAWA-2 | 37 | 37 | 37 | 37 | 37 | 14,260 | 14,260 | 14,260 | 14,260 | 14,260 | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Staff & Space Requirements Forecast

06/22/93
Page 3

| | Staff | | | | | Rptd Area(SF) | | | | |
|---|-------|-------|-------|-------|-------|---------------|---------|---------|---------|---------|
| | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| AAWD ECM Advanced Development Branch | | | | | | | | | | |
| AAWD-1 EW Advanced Dev Program Group | 3 | 3 | 3 | 3 | 3 | 1,258 | 1,258 | 1,258 | 1,258 | 1,258 |
| AAWD-2 EO Warfare Adv Dev Prog Group | 10 | 10 | 10 | 10 | 10 | 1,139 | 1,139 | 1,139 | 1,139 | 1,139 |
| AAWD-3 Integrated EW Systems Group | 10 | 10 | 10 | 10 | 10 | 1,196 | 1,196 | 1,196 | 1,196 | 1,196 |
| AAWP Passive Elec Countermessure Br | 9 | 9 | 9 | 9 | 9 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 |
| AAWP-1 ESM Technology Group | 2 | 2 | 2 | 2 | 2 | 8,280 | 8,280 | 8,280 | 8,280 | 8,280 |
| AAWP-2 Exploitation Group | 16 | 16 | 16 | 16 | 16 | 4,451 | 4,451 | 4,451 | 4,451 | 4,451 |
| AAWP-3 Electro-Optics Group | 37 | 37 | 37 | 37 | 37 | 39,583 | 39,583 | 39,583 | 39,583 | 39,583 |
| AAWW Active Elec Countermessure Br | 18 | 18 | 18 | 18 | 18 | 15,379 | 15,379 | 15,379 | 15,379 | 15,379 |
| AAWW-1 CM Technology Group | 5 | 5 | 5 | 5 | 5 | 1,385 | 1,385 | 1,385 | 1,385 | 1,385 |
| AAWW-2 Countermessures Concepts Group | 10 | 10 | 10 | 10 | 10 | 3,033 | 3,958 | 3,958 | 3,958 | 3,958 |
| AAWW-3 E-O Warfare Group | 18 | 18 | 18 | 18 | 18 | 8,798 | 10,038 | 10,038 | 10,038 | 10,038 |
| AAW Electronics Warfare Division Subtotal | 17 | 17 | 17 | 17 | 17 | 5,624 | 7,406 | 7,406 | 7,406 | 7,406 |
| | 227 | 227 | 227 | 227 | 227 | 123,899 | 128,446 | 128,446 | 128,446 | 128,446 |
| AA Avionic Directorate Subtotal | 808 | 820 | 821 | 823 | 824 | 302,836 | 308,533 | 308,648 | 308,303 | 308,418 |
| DOIA AV/SS Elec Computer Support Br | 14 | 14 | 14 | 14 | 14 | 2,599 | 2,599 | 2,599 | 2,599 | 2,599 |
| DOLA Supportability Office | 5 | 5 | 5 | 5 | 5 | 782 | 782 | 782 | 782 | 782 |
| DOM Supply Specialist Unit | 5 | 5 | 5 | 5 | 5 | 997 | 997 | 997 | 997 | 997 |
| DOSA Safety Office | 2 | 2 | 2 | 2 | 2 | 288 | 288 | 288 | 288 | 288 |
| DOWA Meteorology Office | 3 | 3 | 3 | 3 | 3 | 690 | 690 | 690 | 690 | 690 |
| DOVA Security Office | 1 | 1 | 1 | 1 | 1 | 116 | 116 | 116 | 116 | 116 |
| EL Sol. State Electr. Directorate | 4 | 4 | 4 | 4 | 4 | 30,952 | 30,952 | 30,952 | 30,952 | 30,952 |
| EL-CA Chief Scientist - EL | 2 | 2 | 2 | 2 | 2 | 575 | 575 | 575 | 575 | 575 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Staff & Space Requirements Forecast

06/22/93
Page 4

| | Staff | | | | | | | | | | Rpt Area(SF) | |
|--|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|--------------|--|
| | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | | |
| ELA Operations Division | 15 | 16 | 17 | 18 | 19 | 1,932 | 2,029 | 2,130 | 2,237 | 2,348 | | |
| ELE Microelectronics Division | 5 | 5 | 5 | 5 | 5 | 1,150 | 1,208 | 1,268 | 1,332 | 1,398 | | |
| ELED Design Branch | 11 | 12 | 13 | 14 | 15 | 1,300 | 1,365 | 1,433 | 1,504 | 1,579 | | |
| ELEL VLS Integration Branch | 11 | 12 | 13 | 14 | 15 | 1,346 | 1,413 | 1,484 | 1,558 | 1,636 | | |
| ELET Device Technology Branch | 7 | 7 | 7 | 7 | 7 | 963 | 906 | 951 | 998 | 1,048 | | |
| ELE Microelectronics Division Subtotal | 34 | 38 | 38 | 40 | 42 | 4,659 | 4,992 | 5,136 | 5,392 | 5,661 | | |
| ELM Microwave Division | 5 | 5 | 5 | 5 | 5 | 1,104 | 1,159 | 1,217 | 1,278 | 1,342 | | |
| ELMD Microwave Devices Branch | 10 | 11 | 12 | 13 | 14 | 1,185 | 1,244 | 1,306 | 1,372 | 1,441 | | |
| ELMS Microwave Systems Tech Branch | 7 | 7 | 7 | 7 | 7 | 840 | 882 | 926 | 972 | 1,020 | | |
| ELMT Microwave Tech & Apps. Branch | 12 | 13 | 14 | 15 | 16 | 1,415 | 1,486 | 1,561 | 1,639 | 1,720 | | |
| ELM Microwave Division Subtotal | 34 | 36 | 38 | 40 | 42 | 4,544 | 4,771 | 5,010 | 5,261 | 5,523 | | |
| ELO Electro-Optics Division | 4 | 4 | 4 | 4 | 4 | 1,024 | 1,075 | 1,129 | 1,186 | 1,245 | | |
| ELOD Electro-Optics Detector Branch | 9 | 9 | 9 | 9 | 9 | 1,093 | 1,148 | 1,205 | 1,265 | 1,328 | | |
| ELOS Electro-Optics Sources Branch | 11 | 12 | 13 | 14 | 15 | 1,323 | 1,389 | 1,458 | 1,531 | 1,608 | | |
| ELOT E-O Techniques & Apps Branch | 9 | 9 | 9 | 9 | 9 | 1,093 | 1,148 | 1,205 | 1,265 | 1,328 | | |
| ELO Electro-Optics Division Subtotal | 33 | 34 | 35 | 36 | 37 | 4,533 | 4,760 | 4,997 | 5,247 | 5,509 | | |
| ELR Research Division | 23 | 25 | 28 | 31 | 34 | 2,668 | 2,935 | 3,228 | 3,551 | 3,907 | | |
| ELRA Character. & Analysis Branch | 17 | 19 | 21 | 23 | 25 | 2,036 | 2,239 | 2,463 | 2,709 | 2,981 | | |
| ELRD Device Research Branch | 19 | 21 | 23 | 25 | 28 | 2,243 | 2,467 | 2,714 | 2,985 | 3,284 | | |
| ELR Research Division Subtotal | 59 | 65 | 72 | 79 | 87 | 6,947 | 7,641 | 8,405 | 9,245 | 10,172 | | |
| EL Sol. State Electr. Directorate Subtotal | 181 | 193 | 206 | 219 | 233 | 54,142 | 55,620 | 57,205 | 58,909 | 60,740 | | |
| Total Usable Area | 1,019 | 1,043 | 1,057 | 1,072 | 1,087 | 362,349 | 369,524 | 371,224 | 372,583 | 374,529 | | |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/22/93
Page 1
Project Code:AVLAB

AA Avionics Directorate
Dept. Head: J.P. Braily

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Directorate Director | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Chief Scientist | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Deputy Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Executive Officer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 7 | 7 | 7 | 7 | 7 | 1,280 | 1,280 | 1,280 | 1,280 | 1,280 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (20-25) | 500 | 1 | 1 | 1 | 1 | 1 | 500 | 500 | 500 | 500 | 500 |
| Classified Conf Room | 1200 | 1 | 1 | 1 | 1 | 1 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| Copy Room | 40 | 4 | 4 | 4 | 4 | 4 | 160 | 160 | 160 | 160 | 160 |
| Reception Area | 80 | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Subtotal | | 8 | 8 | 8 | 8 | 8 | 2,020 | 2,020 | 2,020 | 2,020 | 2,020 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 |
| | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | 13.% | 495 | 495 | 495 | 495 | 495 |
| Total Usable Area | | | | | | | 3,795 | 3,795 | 3,795 | 3,795 | 3,795 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/22/93
Page 2
Project Code:AVLAB

AAA Systems Avionics Division
Dept. Head:Dr. C.H. Krueger

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------------|-----------------------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Deputy Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Technical Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Program Manager | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Executive Secretary | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| Subtotal | | 6 | 6 | 6 | 6 | 6 | 990 | 990 | 990 | 990 | 990 |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Technical Library | 800 | 1 | 1 | 1 | 1 | 1 | 800 | 800 | 800 | 800 | 800 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 1,270 | 1,270 | 1,270 | 1,270 | 1,270 |
| Subtotal Assignable | | | | | | | 2,260 | 2,260 | 2,260 | 2,260 | 2,260 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 339 | 339 | 339 | 339 | 339 |
| Total Usable Area | | | | | | | 2,599 | 2,599 | 2,599 | 2,599 | 2,599 |

85-274 238 STRATEGICALLY PLANNING AVIONICS LABORATORY'S FACILITIES 2/3
FOR THE FUTURE(U) LOGISTICS MANAGEMENT INST BETHESDA MD
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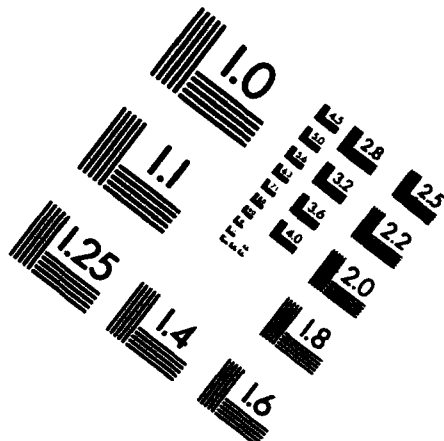
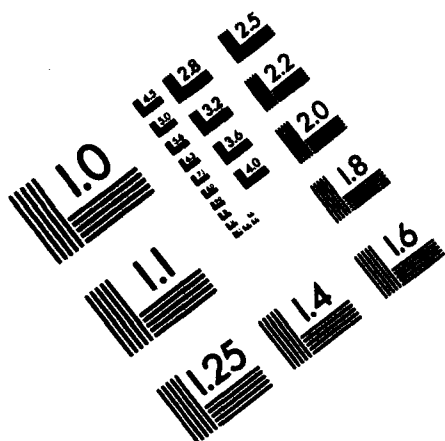


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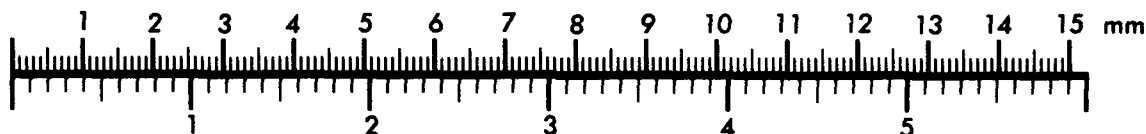
Association for Information and Image Management

1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910

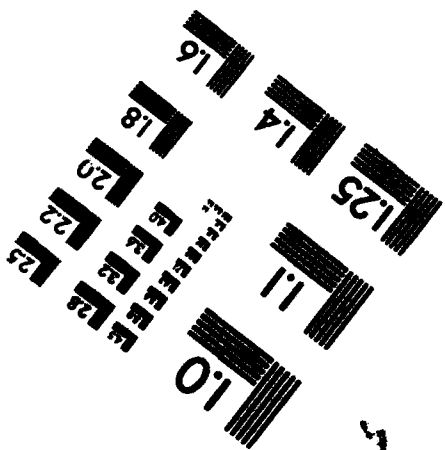
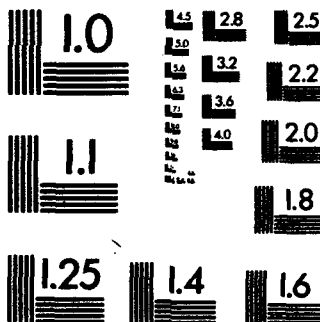
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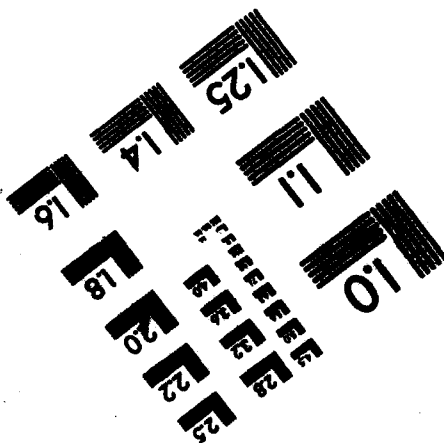
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**MANUFACTURED TO AIIM STANDARDS
BY APPLIED IMAGE, INC.**



Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/22/83
 Page 3
 Project Code:AVLAB

AAA-1 Artificial Intel. Tech Office
 Dept. Head:William Baker

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 4 | 4 | 5 | 6 | 7 | 400 | 400 | 500 | 600 | 700 |
| Visiting Prof/Student | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 7 | 7 | 8 | 9 | 10 | 700 | 700 | 800 | 900 | 1,000 |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Computer/Files Store | 250 | 1 | 1 | 1 | 1 | 1 | 250 | 250 | 250 | 250 | 250 |
| Computer Room | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 520 | 520 | 520 | 520 | 520 |
| Subtotal Assignable | | | | | | | 1,220 | 1,220 | 1,320 | 1,420 | 1,520 |
| Secondary Circ. | | | | | | | | | | | |
| | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | | 183 | 183 | 198 | 213 | 228 |
| Total Usable Area | | | | | | | 1,403 | 1,403 | 1,518 | 1,633 | 1,748 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/22/93
Page 4
Project Code:AVLAB

AAA-2 Cockpit Avionics Office
Dept. Head: Jerry Covert

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Group Chief | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 |
| Subtotal Assignable | | | | | | | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 221 | 221 | 221 | 221 | 221 |
| Total Usable Area | | | | | | | 1,691 | 1,691 | 1,691 | 1,691 | 1,691 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 5
Project Code:AVLAB

AAAF Avionics Logistics Branch
Dept. Head:Ms D.M. Morris

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 230 | 230 | 230 | 230 | 230 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Computer Workroom | 240 | 1 | 1 | 1 | 1 | 1 | 240 | 240 | 240 | 240 | 240 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 590 | 590 | 590 | 590 | 590 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 820 | 820 | 820 | 820 | 820 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.0% | 13.0% | 13.0% | 13.0% | 13.0% | | 123 | 123 | 123 | 123 | 123 |
| Total Usable Area | | | | | | | 943 | 943 | 943 | 943 | 943 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 6
Project Code:AVLAB

AAAF-1 Avionics Support Tech Group
Dept. Head:O.S. Keener

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 9 | 10 | 10 | 10 | 10 | 900 | 1,000 | 1,000 | 1,000 | 1,000 |
| On-site Contractor | 70 | 8 | 8 | 8 | 8 | 8 | 560 | 560 | 560 | 560 | 560 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 19 | 20 | 20 | 20 | 20 | 1,660 | 1,760 | 1,760 | 1,760 | 1,760 |
| Support Space | | | | | | | | | | | |
| ESIP Lab | 2025 | 1 | 1 | 1 | 1 | 1 | 2,025 | 2,025 | 2,025 | 2,025 | 2,025 |
| Computer Room | 162 | 1 | 1 | 1 | 1 | 1 | 162 | 162 | 162 | 162 | 162 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 2,187 | 2,187 | 2,187 | 2,187 | 2,187 |
| Subtotal Assignable | | | | | | | 3,847 | 3,947 | 3,947 | 3,947 | 3,947 |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 577 | 592 | 592 | 592 | 592 |
| Total Usable Area | | | | | | | 4,424 | 4,539 | 4,539 | 4,539 | 4,539 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/93
 Page 7
 Project Code:AVLAB

AAAF-2 Readiness Technology Group
 Dept. Head: T. Kearns

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 9 | 9 | 9 | 9 | 9 | 900 | 900 | 900 | 900 | 900 |
| On-site Contractor | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 13 | 13 | 13 | 13 | 13 | 1,240 | 1,240 | 1,240 | 1,240 | 1,240 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| ADAMS Lab | 121 | 1 | 1 | 1 | 1 | 1 | 121 | 121 | 121 | 121 | 121 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 121 | 121 | 121 | 121 | 121 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,361 | 1,361 | 1,361 | 1,361 | 1,361 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 204 | 204 | 204 | 204 | 204 |
| Total Usable Area | | | | | | | 1,565 | 1,565 | 1,565 | 1,565 | 1,565 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 8
Project Code:AVLAB

AAAF-3 Software Concepts Group
Dept. Head:R.L. Harris

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------|-----------------------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 6 | 7 | 7 | 7 | 7 | 600 | 700 | 700 | 700 | 700 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 8 | 9 | 9 | 9 | 9 | 800 | 900 | 900 | 900 | 900 |
| Subtotal Assignable | | | | | | | 800 | 900 | 900 | 900 | 900 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 120 | 135 | 135 | 135 | 135 |
| Total Usable Area | | | | | | | 920 | 1,035 | 1,035 | 1,035 | 1,035 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 9
Project Code:AVLAB

AAAI Navigation & Info. Trans. Br.
Dept. Head:Ms. D.E. Summers

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Program Manager | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 380 | 380 | 380 | 380 | 380 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 430 | 430 | 430 | 430 | 430 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 810 | 810 | 810 | 810 | 810 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 122 | 122 | 122 | 122 | 122 |
| Total Usable Area | | | | | | | 932 | 932 | 932 | 932 | 932 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 10
Project Code:AVLAB

AAA-1 Integrated CNI Systems Group
Dept. Head:A. Johnson

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 3 | 3 | 3 | 3 | 3 | 360 | 360 | 360 | 360 | 360 |
| GS11-GS13 Engineer | 100 | 9 | 8 | 8 | 8 | 8 | 900 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 3 | 3 | 3 | 3 | 3 | 210 | 210 | 210 | 210 | 210 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 17 | 16 | 16 | 16 | 16 | 1,670 | 1,570 | 1,570 | 1,570 | 1,570 |
| Support Space | | | | | | | | | | | |
| Rooftop Lab | 1000 | 1 | 1 | 1 | 1 | 1 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| SATCOM Lab | 600 | 1 | 1 | 1 | 1 | 1 | 600 | 600 | 600 | 600 | 600 |
| SATCOM Lab | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Vault/Office | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| TSSI Contractor Lab | 1000 | 1 | 1 | 1 | 1 | 1 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 3,250 | 3,250 | 3,250 | 3,250 | 3,250 |
| Subtotal Assignable | | | | | | | 4,920 | 4,820 | 4,820 | 4,820 | 4,820 |
| Secondary Circ. | | | | | | | 738 | 723 | 723 | 723 | 723 |
| Total Usable Area | | | | | | | 5,658 | 5,543 | 5,543 | 5,543 | 5,543 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 11
Project Code:AVLAB

AAAI-2 Communications Tech Group
Dept. Head:F. Hutson

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| On-site Contractor | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 15 | 15 | 15 | 15 | 15 | 1,510 | 1,510 | 1,510 | 1,510 | 1,510 |
| Support Space | | | | | | | | | | | |
| Laser Com Lab-Tower | 325 | 1 | 1 | 1 | 1 | 1 | 325 | 325 | 325 | 325 | 325 |
| Laser Com Lab | 405 | 1 | 1 | 1 | 1 | 1 | 405 | 405 | 405 | 405 | 405 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 730 | 730 | 730 | 730 | 730 |
| Subtotal Assignable | | | | | | | 2,240 | 2,240 | 2,240 | 2,240 | 2,240 |
| Secondary Circ. | | | | | | | | | | | |
| | | 13.% | 13.% | 13.% | 13.% | 13.% | 336 | 336 | 336 | 336 | 336 |
| Total Usable Area | | | | | | | 2,576 | 2,576 | 2,576 | 2,576 | 2,576 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 12
Project Code:AVLAB

AAAI-3 Navigation Systems Group
Dept. Head: F.R. Nadeau

| Job/Space Std Descrpt | Space Std | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|-----------------------|-----------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Visiting Prof/Studnt | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,390 | 1,390 | 1,390 | 1,390 | 1,390 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,390 | 1,390 | 1,390 | 1,390 | 1,390 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | 13.% | 209 | 209 | 209 | 209 | 209 |
| Total Usable Area | | | | | | | 1,599 | 1,599 | 1,599 | 1,599 | 1,599 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

08/21/83
 Page 13
 Project Code:AVLAB

AAAI-4 Analysis and Evaluation Group
 Dept. Head:D.S. Jacobs

| Job/Space Std Descrip | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 7 | 7 | 7 | 7 | 7 | 490 | 490 | 490 | 490 | 490 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 19 | 19 | 19 | 19 | 19 | 1,630 | 1,630 | 1,630 | 1,630 | 1,630 |
| Support Space | | | | | | | | | | | |
| IESS Lab | 1215 | 1 | 1 | 1 | 1 | 1 | 1,215 | 1,215 | 1,215 | 1,215 | 1,215 |
| CSEL Lab | 610 | 1 | 1 | 1 | 1 | 1 | 610 | 610 | 610 | 610 | 610 |
| ARC Lab | 345 | 1 | 1 | 1 | 1 | 1 | 345 | 345 | 345 | 345 | 345 |
| Equip. Computer Lab | 162 | 1 | 1 | 1 | 1 | 1 | 162 | 162 | 162 | 162 | 162 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 2,332 | 2,332 | 2,332 | 2,332 | 2,332 |
| Subtotal Assignable | | | | | | | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 |
| Secondary Circ. | | | | | | | | | | | |
| | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | | 594 | 594 | 594 | 594 | 594 |
| Total Usable Area | | | | | | | 4,556 | 4,556 | 4,556 | 4,556 | 4,556 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 14
 Project Code:AVLAB

AAAS Systems Integration Branch
 Dept. Head:Mr. D.A. Zann

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Deputy Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Technical Specialist | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 530 | 530 | 530 | 530 | 530 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 390 | 390 | 390 | 390 | 390 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 920 | 920 | 920 | 920 | 920 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 138 | 138 | 138 | 138 | 138 |
| Total Usable Area | | | | | | | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

08/21/93
Page 15
Project Code:AVLAB

AAAS-1 Advanced Integration Group
Dept. Head:J.C. Ostgaard

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,440 | 1,440 | 1,440 | 1,440 | 1,440 |
| Subtotal Assignable | | | | | | | 1,440 | 1,440 | 1,440 | 1,440 | 1,440 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 216 | 216 | 216 | 216 | 216 |
| Total Usable Area | | | | | | | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 16
Project Code:AVLAB

AAAS-2 Systems Group
Dept. Head: J.L. Blair

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 4 | 4 | 4 | 4 | 4 | 280 | 280 | 280 | 280 | 280 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,280 | 1,280 | 1,280 | 1,280 | 1,280 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| ITB Lab | 3200 | 1 | 1 | 1 | 1 | 1 | 3,200 | 3,200 | 3,200 | 3,200 | 3,200 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 3,200 | 3,200 | 3,200 | 3,200 | 3,200 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 4,480 | 4,480 | 4,480 | 4,480 | 4,480 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 672 | 672 | 672 | 672 | 672 |
| Total Usable Area | | | | | | | 5,152 | 5,152 | 5,152 | 5,152 | 5,152 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 17
Project Code:AVLAB

AAAS-3 Technology Applications Group
Dept. Head:P. Hanselman

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 14 | 14 | 14 | 14 | 14 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| Visiting Prof/Stdnt | 70 | 0 | 1 | 1 | 1 | 1 | 0 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 18 | 19 | 19 | 19 | 19 | 1,840 | 1,910 | 1,910 | 1,910 | 1,910 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Computer Work Room | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,990 | 2,060 | 2,060 | 2,060 | 2,060 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 299 | 309 | 309 | 309 | 309 |
| Total Usable Area | | | | | | | 2,289 | 2,369 | 2,369 | 2,369 | 2,369 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 18
 Project Code:AVLAB

AAAT Info. Processing Tech. Branch
 Dept. Head:Mr. E.L. Gliatti

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Program Manager | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 460 | 460 | 460 | 460 | 460 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Supply Room | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 430 | 430 | 430 | 430 | 430 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 890 | 890 | 890 | 890 | 890 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 134 | 134 | 134 | 134 | 134 |
| Total Usable Area | | | | | | | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 19
Project Code:AVLAS

AAAT-1 Advance Systems Research Group
Dept. Head:D.E. Nelson

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Req Area(SF) | | | | |
|-----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 10 | 11 | 11 | 12 | 12 | 1,000 | 1,100 | 1,100 | 1,200 | 1,200 |
| Visiting Prof/Student | 70 | 5 | 5 | 5 | 5 | 5 | 350 | 350 | 350 | 350 | 350 |
| Subtotal | | 18 | 19 | 19 | 20 | 20 | 1,710 | 1,810 | 1,810 | 1,910 | 1,910 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| T1 Lab | 710 | 1 | 1 | 1 | 1 | 1 | 710 | 710 | 710 | 710 | 710 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 710 | 710 | 710 | 710 | 710 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 2,420 | 2,520 | 2,520 | 2,620 | 2,620 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 363 | 378 | 378 | 393 | 393 |
| Total Usable Area | | | | | | | 2,783 | 2,898 | 2,898 | 3,013 | 3,013 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 20
Project Code:AVLAB

AAAT-2 Data and Signal Processing Gp
Dept. Head:E.M. Frier

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Reqd Area(SF)_____ | | | | |
|-----------------------|-----------------------|----------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 8 | 9 | 9 | 9 | 9 | 800 | 900 | 900 | 900 | 900 |
| Visiting Prof/Student | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Subtotal | | 12 | 13 | 13 | 13 | 13 | 1,230 | 1,330 | 1,330 | 1,330 | 1,330 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| T2 Lab | 850 | 1 | 1 | 1 | 1 | 1 | 850 | 850 | 850 | 850 | 850 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 850 | 850 | 850 | 850 | 850 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 2,080 | 2,180 | 2,180 | 2,180 | 2,180 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 312 | 327 | 327 | 327 | 327 |
| Total Usable Area | | | | | | | 2,392 | 2,507 | 2,507 | 2,507 | 2,507 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/93
 Page 21
 Project Code:AVLAB

AAC Financial Management Division
 Dept. Head: William Garst

| Job/Space Std Descrp | Space Std | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Branch Chief | 150 | 4 | 4 | 4 | 4 | 4 | 600 | 600 | 600 | 600 | 600 |
| Financial Analyst | 70 | 6 | 6 | 6 | 6 | 6 | 420 | 420 | 420 | 420 | 420 |
| Budget Ass't | 50 | 11 | 11 | 11 | 11 | 11 | 550 | 550 | 550 | 550 | 550 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 23 | 23 | 23 | 23 | 23 | 1,890 | 1,890 | 1,890 | 1,890 | 1,890 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| File Storage | 250 | 1 | 1 | 1 | 1 | 1 | 250 | 250 | 250 | 250 | 250 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 400 | 400 | 400 | 400 | 400 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 2,290 | 2,290 | 2,290 | 2,290 | 2,290 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 344 | 344 | 344 | 344 | 344 |
| Total Usable Area | | | | | | | 2,634 | 2,634 | 2,634 | 2,634 | 2,634 |

Wright-Patterson Air Force Base
 Activities Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 22
 Project Code:AVLAB

AAO Management Operations Division
 Dept. Head:Mr. L.E. Porter

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Deputy Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 520 | 520 | 520 | 520 | 520 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Conf/Training Room | 750 | 1 | 1 | 1 | 1 | 1 | 750 | 750 | 750 | 750 | 750 |
| Storage Room | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 930 | 930 | 930 | 930 | 930 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,450 | 1,450 | 1,450 | 1,450 | 1,450 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 218 | 218 | 218 | 218 | 218 |
| Total Usable Area | | | | | | | 1,668 | 1,668 | 1,668 | 1,668 | 1,668 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

08/21/93
Page 23
Project Code:AVLAB

AAOA Administration Branch
Dept. Head:Ms. A.V. Murphy

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Eng Tech/Analyst | 70 | 3 | 3 | 3 | 3 | 3 | 210 | 210 | 210 | 210 | 210 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 360 | 360 | 360 | 360 | 360 |
| Support Space | | | | | | | | | | | |
| Reception Area | 80 | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Subtotal Assignable | | | | | | | 520 | 520 | 520 | 520 | 520 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 78 | 78 | 78 | 78 | 78 |
| Total Usable Area | | | | | | | 598 | 598 | 598 | 598 | 598 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

08/21/83
 Page 24
 Project Code:AVLAB

AAOP Technical Operations Branch
 Dept. Head: Mr. S.A. George

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|-----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 5 | 5 | 5 | 5 | 5 | 500 | 500 | 500 | 500 | 500 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 9 | 9 | 9 | 9 | 9 | 870 | 870 | 870 | 870 | 870 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Graphics Area | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Microfiche Wrkstatn | 50 | 1 | 1 | 1 | 1 | 1 | 50 | 50 | 50 | 50 | 50 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 170 | 170 | 170 | 170 | 170 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 156 | 156 | 156 | 156 | 156 |
| Total Usable Area | | | | | | | 1,196 | 1,196 | 1,196 | 1,196 | 1,196 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 25
Project Code:AVLAB

AAOR Technology Strategy Branch
Dept. Head: Vacant

| Job/Space Std Descrp | Space Std | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------|-----------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 2 | 2 | 2 | 2 | 2 | 200 | 200 | 200 | 200 | 200 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 6 | 6 | 6 | 6 | 6 | 670 | 670 | 670 | 670 | 670 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 670 | 670 | 670 | 670 | 670 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.1% | 13.1% | 13.1% | 13.1% | 13.1% | | 101 | 101 | 101 | 101 | 101 |
| Total Usable Area | | | | | | | 771 | 771 | 771 | 771 | 771 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 28
Project Code:AVLAB

AAR Mission Avionics Division
Dept. Head:Mr. L. McFawn

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Deputy Director | 200 | 2 | 2 | 2 | 2 | 2 | 400 | 400 | 400 | 400 | 400 |
| Program Manager | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| XPN Vault Offices | 3000 | 1 | 1 | 1 | 1 | 1 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| Executive Secretary | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| Subtotal | | 7 | 7 | 7 | 7 | 7 | 3,990 | 3,990 | 3,990 | 3,990 | 3,990 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 470 | 470 | 470 | 470 | 470 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 4,460 | 4,460 | 4,460 | 4,460 | 4,460 |
| | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 669 | 669 | 669 | 669 | 669 |
| Total Usable Area | | | | | | | 5,129 | 5,129 | 5,129 | 5,129 | 5,129 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/93
 Page 27
 Project Code:AVLAB

AARA Target Recognition Tech Branch
 Dept. Head:Mr. E.G. Zelnio

| Job/Space Std Descrp | Specs Std | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------|-----------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Deputy Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 380 | 380 | 380 | 380 | 380 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 270 | 270 | 270 | 270 | 270 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 650 | 650 | 650 | 650 | 650 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 98 | 98 | 98 | 98 | 98 |
| Total Usable Area | | | | | | | 748 | 748 | 748 | 748 | 748 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 28
Project Code:AVLAB

AARA-1 Development Group
Dept. Head: J. Rachel

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 8 | 8 | 8 | 8 | 8 | 560 | 560 | 560 | 560 | 560 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 19 | 19 | 19 | 19 | 19 | 1,680 | 1,680 | 1,680 | 1,680 | 1,680 |
| Subtotal Assignable | | | | | | | 1,680 | 1,680 | 1,680 | 1,680 | 1,680 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 252 | 252 | 252 | 252 | 252 |
| Total Usable Area | | | | | | | 1,932 | 1,932 | 1,932 | 1,932 | 1,932 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 29
Project Code:AVLAB

AARA-2 Technology Group
Dept. Head:M. Bryant

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 15 | 15 | 15 | 15 | 15 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| On-site Contractor | 70 | 12 | 12 | 12 | 12 | 12 | 840 | 840 | 840 | 840 | 840 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 29 | 29 | 29 | 29 | 29 | 2,540 | 2,540 | 2,540 | 2,540 | 2,540 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Model Based Vis. Lab | 1000 | 1 | 1 | 1 | 1 | 1 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| SEQUEL Lab | 1150 | 1 | 1 | 1 | 1 | 1 | 1,150 | 1,150 | 1,150 | 1,150 | 1,150 |
| Data Storage | 50 | 1 | 1 | 1 | 1 | 1 | 50 | 50 | 50 | 50 | 50 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 2,350 | 2,350 | 2,350 | 2,350 | 2,350 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 4,890 | 4,890 | 4,890 | 4,890 | 4,890 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 734 | 734 | 734 | 734 | 734 |
| Total Usable Area | | | | | | | 5,624 | 5,624 | 5,624 | 5,624 | 5,624 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 30
Project Code:AVLAB

AARF Sensor Evaluation Branch
Dept. Head:Mr. J.C Haley

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Deputy Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Eng Tech/Analyst | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| On-site Contractor | 70 | 24 | 24 | 24 | 24 | 24 | 1,680 | 1,680 | 1,680 | 1,680 | 1,680 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 28 | 28 | 28 | 28 | 28 | 2,130 | 2,130 | 2,130 | 2,130 | 2,130 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| AARF 18F Labs | 14800 | 1 | 1 | 1 | 1 | 1 | 14,800 | 14,800 | 14,800 | 14,800 | 14,800 |
| Dyn Anal Lab Bldg23 | 20100 | 1 | 1 | 1 | 1 | 1 | 20,100 | 20,100 | 20,100 | 20,100 | 20,100 |
| SDSA Lab - Bldg 23 | 4600 | 1 | 1 | 1 | 1 | 1 | 4,600 | 4,600 | 4,600 | 4,600 | 4,600 |
| Computer Room-Bldg18 | 640 | 1 | 1 | 1 | 1 | 1 | 640 | 640 | 640 | 640 | 640 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 40,490 | 40,490 | 40,490 | 40,490 | 40,490 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 42,620 | 42,620 | 42,620 | 42,620 | 42,620 |
| | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | 13.% | 6,393 | 6,393 | 6,393 | 6,393 | 6,393 |
| Total Usable Area | | | | | | | 49,013 | 49,013 | 49,013 | 49,013 | 49,013 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 31
Project Code:AVLAB

AARF-1 Sensor/System Group
Dept. Head:P. Desimio

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 11 | 11 | 11 | 11 | 11 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 15 | 15 | 15 | 15 | 15 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,690 | 1,690 | 1,690 | 1,690 | 1,690 |
| | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 254 | 254 | 254 | 254 | 254 |
| Total Usable Area | | | | | | | 1,944 | 1,944 | 1,944 | 1,944 | 1,944 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 32
 Project Code:AVLAB

AAFF-2 Instrumentation Group
 Dept. Head:R. Demers

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 3 | 3 | 3 | 3 | 3 | 300 | 300 | 300 | 300 | 300 |
| Eng Tech/Analyst | 70 | 8 | 8 | 8 | 8 | 8 | 560 | 560 | 560 | 560 | 560 |
| Subtotal | | 12 | 12 | 12 | 12 | 12 | 980 | 980 | 980 | 980 | 980 |
| Subtotal Assignable | | | | | | | 980 | 980 | 980 | 980 | 980 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 147 | 147 | 147 | 147 | 147 |
| Total Usable Area | | | | | | | 1,127 | 1,127 | 1,127 | 1,127 | 1,127 |

Wright-Patterson Air Force Base
 Antonio Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 33
 Project Code:AVLAS

AAAF-3 Computation Group
 Dept. Head:D. Hager

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 12 | 12 | 12 | 12 | 12 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 180 | 180 | 180 | 180 | 180 |
| Total Usable Area | | | | | | | 1,380 | 1,380 | 1,380 | 1,380 | 1,380 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

08/21/83
 Page 24
 Project Code:AVLAB

AAR/ Electro-Optics Branch
 Dept. Head: Mr. G.D. Urban

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Deputy Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Program Manager | 150 | 2 | 2 | 2 | 2 | 2 | 300 | 300 | 300 | 300 | 300 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 680 | 680 | 680 | 680 | 680 |
| Support Space | | | | | | | | | | | |
| Conf. Room (20-25) | 500 | 2 | 2 | 2 | 1 | 1 | 1,000 | 1,000 | 1,000 | 500 | 500 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 4 | 4 | 4 | 3 | 3 | 1,120 | 1,120 | 1,120 | 620 | 620 |
| Subtotal Assignable | | | | | | | 1,800 | 1,800 | 1,800 | 1,300 | 1,300 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 270 | 270 | 270 | 195 | 195 |
| Total Usable Area | | | | | | | 2,070 | 2,070 | 2,070 | 1,495 | 1,495 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/93
 Page 36
 Project Code:AVLAB

AAR-1 EO Systems Group
 Dept. Head:G Shroyer

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Program Manager | 150 | 2 | 2 | 2 | 2 | 2 | 300 | 300 | 300 | 300 | 300 |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 6 | 6 | 6 | 6 | 6 | 600 | 600 | 600 | 600 | 600 |
| On-site Contractor | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 12 | 12 | 12 | 12 | 12 | 1,290 | 1,290 | 1,290 | 1,290 | 1,290 |
| Subtotal Assignable | | | | | | | 1,290 | 1,290 | 1,290 | 1,290 | 1,290 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 194 | 194 | 194 | 194 | 194 |
| Total Usable Area | | | | | | | 1,484 | 1,484 | 1,484 | 1,484 | 1,484 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 36
 Project Code:AVLAB

AAAF-2 EO Technique Group
 Dept. Head:D Tomlinson

| Job/Space Std Descrp | Space Std | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------------|-----------|-------|-------|-------|-------|-------|---------------|--------|--------|--------|--------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 13 | 13 | 13 | 13 | 13 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 |
| On-site Contractor | 70 | 5 | 5 | 5 | 5 | 5 | 350 | 350 | 350 | 350 | 350 |
| Visiting Prof/Student | 70 | 10 | 10 | 10 | 10 | 10 | 700 | 700 | 700 | 700 | 700 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 31 | 31 | 31 | 31 | 31 | 2,670 | 2,670 | 2,670 | 2,670 | 2,670 |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 3 | 3 | 3 | 3 | 3 | 450 | 450 | 450 | 450 | 450 |
| Bldg 622 Lab | 8100 | 1 | 1 | 1 | 1 | 1 | 8,100 | 8,100 | 8,100 | 8,100 | 8,100 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 8,550 | 8,550 | 8,550 | 8,550 | 8,550 |
| Subtotal Assignable | | | | | | | 11,220 | 11,220 | 11,220 | 11,220 | 11,220 |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 1,683 | 1,683 | 1,683 | 1,683 | 1,683 |
| Total Usable Area | | | | | | | 12,903 | 12,903 | 12,903 | 12,903 | 12,903 |

Wright-Patterson Air Force Base
 Analysis Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 37
 Project Code:AVLAS

AAIS-3 EO Evaluation/Analysis Group
 Dept. Head:J. Stewart

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------------|-----------------------|-------------|-------------|-------------|-------------|-------------|---------------|--------------|--------------|--------------|--------------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 3 | 3 | 3 | 3 | 3 | 210 | 210 | 210 | 210 | 210 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 16 | 16 | 16 | 16 | 16 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 |
| Support Space | | | | | | | | | | | |
| Bldg 622 Lab | 1990 | 1 | 1 | 1 | 1 | 1 | 1,990 | 1,990 | 1,990 | 1,990 | 1,990 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 1,990 | 1,990 | 1,990 | 1,990 | 1,990 |
| Subtotal Assignable | | | | | | | 3,460 | 3,460 | 3,460 | 3,460 | 3,460 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 519 | 519 | 519 | 519 | 519 |
| Total Usable Area | | | | | | | 3,979 | 3,979 | 3,979 | 3,979 | 3,979 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

08/21/83
 Page 38
 Project Code:AVLAB

AAW-4 Integrated EO Sensor Group
 Dept. Head:H. Lapp

| Job/Specs Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 5 | 5 | 5 | 5 | 5 | 500 | 500 | 500 | 500 | 500 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 8 | 8 | 8 | 8 | 8 | 820 | 820 | 820 | 820 | 820 |
| Subtotal Assignable | | | | | | | 820 | 820 | 820 | 820 | 820 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 123 | 123 | 123 | 123 | 123 |
| Total Usable Area | | | | | | | 943 | 943 | 943 | 943 | 943 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 39
Project Code:AVLAB

AARM Radar Branch
Dept. Head:Mr. G.L. McFarland

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Deputy Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Program Manager | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 530 | 530 | 530 | 530 | 530 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| File Room | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 180 | 180 | 180 | 180 | 180 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 710 | 710 | 710 | 710 | 710 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 107 | 107 | 107 | 107 | 107 |
| Total Usable Area | | | | | | | 817 | 817 | 817 | 817 | 817 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 40
Project Code:AVLAB

AARM-1 Technology Development Group
Dept. Head:D. Campbell

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------------|-----------------------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 4 | 4 | 4 | 4 | 4 | 480 | 480 | 480 | 480 | 480 |
| GS11-GS13 Engineer | 100 | 11 | 11 | 11 | 11 | 11 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 |
| On-site Contractor | 70 | 1 | 3 | 3 | 3 | 3 | 70 | 210 | 210 | 210 | 210 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 18 | 20 | 20 | 20 | 20 | 1,850 | 1,990 | 1,990 | 1,990 | 1,990 |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Computer Work Room | 210 | 1 | 1 | 1 | 1 | 1 | 210 | 210 | 210 | 210 | 210 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 360 | 360 | 360 | 360 | 360 |
| Subtotal Assignable | | | | | | | 2,210 | 2,350 | 2,350 | 2,350 | 2,350 |
| Secondary Circ. | | | | | | | | | | | |
| | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 332 | 353 | 353 | 353 | 353 |
| Total Usable Area | | | | | | | 2,542 | 2,703 | 2,703 | 2,703 | 2,703 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 41
Project Code:AVLAB

AARM-2 Technology Applications Group
Dept. Head:J. Prevish

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 1 | 3 | 3 | 3 | 3 | 70 | 210 | 210 | 210 | 210 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 11 | 13 | 13 | 13 | 13 | 1,070 | 1,210 | 1,210 | 1,210 | 1,210 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Radar Lab | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 450 | 450 | 450 | 450 | 450 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,520 | 1,660 | 1,660 | 1,660 | 1,660 |
| | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 228 | 249 | 249 | 249 | 249 |
| Total Usable Area | | | | | | | 1,748 | 1,909 | 1,909 | 1,909 | 1,909 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 42
Project Code:AVLAB

AA/SM-3 Analysis & Signal Proc Group
Dept. Head: J. Bell

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| On-site Contractor | 70 | 3 | 6 | 6 | 6 | 6 | 210 | 420 | 420 | 420 | 420 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 15 | 18 | 18 | 18 | 18 | 1,410 | 1,620 | 1,620 | 1,620 | 1,620 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Radar Sig Proc Lab | 2300 | 1 | 1 | 1 | 1 | 1 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 3,860 | 4,070 | 4,070 | 4,070 | 4,070 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 579 | 611 | 611 | 611 | 611 |
| Total Usable Area | | | | | | | 4,439 | 4,681 | 4,681 | 4,681 | 4,681 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 43
Project Code:AVLAB

AART Applications Branch
Dept. Head:Mr. F.P. Johnson

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------------|-----------------------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Deputy Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 380 | 380 | 380 | 380 | 380 |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Computer Work Room | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 570 | 570 | 570 | 570 | 570 |
| Subtotal Assignable | | | | | | | 950 | 950 | 950 | 950 | 950 |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 143 | 143 | 143 | 143 | 143 |
| Total Usable Area | | | | | | | 1,093 | 1,093 | 1,093 | 1,093 | 1,093 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 44
Project Code:AVLAB

AART-1 Air Superiority Group
Dept. Head:W. Moore

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Secretary | 80 | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Vault Room | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 500 | 500 | 500 | 500 | 500 |
| Subtotal Assignable | | | | | | | 1,900 | 1,900 | 1,900 | 1,900 | 1,900 |
| Secondary Circ. | | | | | | | | | | | |
| | | 13.% | 13.% | 13.% | 13.% | 13.% | 285 | 285 | 285 | 285 | 285 |
| Total Usable Area | | | | | | | 2,185 | 2,185 | 2,185 | 2,185 | 2,185 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 45
Project Code:AVLAB

AART-2 Systems Concept Group
Dept. Head: J. Jacobs

| Job/Space Std Descrp | Space Std | Qty | | | | | Reqd Area(SF) | | | | |
|-----------------------|-----------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 2 | 4 | 4 | 4 | 4 | 140 | 280 | 280 | 280 | 280 |
| Visiting Prof/Student | 70 | 4 | 4 | 4 | 4 | 4 | 280 | 280 | 280 | 280 | 280 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 18 | 20 | 20 | 20 | 20 | 1,660 | 1,800 | 1,800 | 1,800 | 1,800 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| FCSM Lab | 900 | 1 | 1 | 1 | 1 | 1 | 900 | 900 | 900 | 900 | 900 |
| Computer Tempest Lab | 570 | 1 | 1 | 1 | 1 | 1 | 570 | 570 | 570 | 570 | 570 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 3,130 | 3,270 | 3,270 | 3,270 | 3,270 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.0% | 13.0% | 13.0% | 13.0% | 13.0% | | 470 | 491 | 491 | 491 | 491 |
| Total Usable Area | | | | | | | 3,600 | 3,761 | 3,761 | 3,761 | 3,761 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 46
Project Code:AVLAB

AART-3 Surface Strike Group
Dept. Head:E. Hamilton

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|-----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,340 | 1,340 | 1,340 | 1,340 | 1,340 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Safe Storage Room | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 250 | 250 | 250 | 250 | 250 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,590 | 1,590 | 1,590 | 1,590 | 1,590 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 239 | 239 | 239 | 239 | 239 |
| Total Usable Area | | | | | | | 1,829 | 1,829 | 1,829 | 1,829 | 1,829 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 47
Project Code:AVLAB

AAT Avionics Tech Service Division
Dept. Head:Mr. R.E. Kellog

| Job/Space Std Descrp | Space Std | City | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 320 | 320 | 320 | 320 | 320 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 430 | 430 | 430 | 430 | 430 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 750 | 750 | 750 | 750 | 750 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 113 | 113 | 113 | 113 | 113 |
| Total Usable Area | | | | | | | 863 | 863 | 863 | 863 | 863 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 48
Project Code:AVLAB

AATF Avionics Facilities Branch
Dept. Head:Mr. V.J. Allenson

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|--------------|--------------|--------------|--------------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Eng Tech/Analyst | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 470 | 470 | 470 | 470 | 470 |
| Support Space | | | | | | | | | | | |
| Drafting/Repro Room | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Auditorium | 3200 | 1 | 1 | 1 | 1 | 1 | 3,200 | 3,200 | 3,200 | 3,200 | 3,200 |
| 620 Control Room | 550 | 1 | 1 | 1 | 1 | 1 | 550 | 550 | 550 | 550 | 550 |
| DSI Control Support | 680 | 1 | 1 | 1 | 1 | 1 | 680 | 680 | 680 | 680 | 680 |
| Cafeteria | 1010 | 1 | 1 | 1 | 1 | 1 | 1,010 | 1,010 | 1,010 | 1,010 | 1,010 |
| Storage Bmnt | 760 | 1 | 1 | 1 | 1 | 1 | 760 | 760 | 760 | 760 | 760 |
| Receiving | 760 | 1 | 1 | 1 | 1 | 1 | 760 | 760 | 760 | 760 | 760 |
| Subtotal | | 7 | 7 | 7 | 7 | 7 | 7,260 | 7,260 | 7,260 | 7,260 | 7,260 |
| Subtotal Assignable | | | | | | | 7,730 | 7,730 | 7,730 | 7,730 | 7,730 |
| Secondary Circ. | | | | | | | | | | | |
| | 13.% | 13.% | 13.% | 13.% | 13.% | | 1,160 | 1,160 | 1,160 | 1,160 | 1,160 |
| Total Usable Area | | | | | | | 8,890 | 8,890 | 8,890 | 8,890 | 8,890 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 49
 Project Code:AVLAB

AATF-1 Facilities Maintenance Group
 Dept. Head: B. Swangin

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Building Managers | 100 | 2 | 2 | 2 | 2 | 2 | 200 | 200 | 200 | 200 | 200 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 320 | 320 | 320 | 320 | 320 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Maint. Storage | 404 | 1 | 1 | 1 | 1 | 1 | 404 | 404 | 404 | 404 | 404 |
| Maint Shop/Storage | 2225 | 1 | 1 | 1 | 1 | 1 | 2,225 | 2,225 | 2,225 | 2,225 | 2,225 |
| Contractor Brk Room | 410 | 1 | 1 | 1 | 1 | 1 | 410 | 410 | 410 | 410 | 410 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 3,039 | 3,039 | 3,039 | 3,039 | 3,039 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 3,359 | 3,359 | 3,359 | 3,359 | 3,359 |
| | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 504 | 504 | 504 | 504 | 504 |
| Total Usable Area | | | | | | | 3,863 | 3,863 | 3,863 | 3,863 | 3,863 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 50
 Project Code:AVLAB

AATF-2 Avionics Equipment Group
 Dept. Head: C. Bowen

| Job/Space Std Descrp | Space Std | Qty | | | | | Repl Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Eng Tech/Analyst | 70 | 3 | 3 | 3 | 3 | 3 | 210 | 210 | 210 | 210 | 210 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 330 | 330 | 330 | 330 | 330 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| PMI Lab | 2200 | 1 | 1 | 1 | 1 | 1 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 380 | 380 | 380 | 380 | 380 |
| Total Usable Area | | | | | | | 2,910 | 2,910 | 2,910 | 2,910 | 2,910 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 51
 Project Code:AVLAB

AAW Electronics Warfare Division
 Dept. Head: Vacant

| Job/Space Std Descrip | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Technical Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Visiting Prof/Student | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 590 | 590 | 590 | 590 | 590 |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| EW Lab Tower | 325 | 1 | 1 | 1 | 1 | 1 | 325 | 325 | 325 | 325 | 325 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Vault Conf Room | 824 | 1 | 1 | 1 | 1 | 1 | 824 | 824 | 824 | 824 | 824 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 1,579 | 1,579 | 1,579 | 1,579 | 1,579 |
| Subtotal Assignable | | | | | | | 2,169 | 2,169 | 2,169 | 2,169 | 2,169 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 325 | 325 | 325 | 325 | 325 |
| Total Usable Area | | | | | | | 2,494 | 2,494 | 2,494 | 2,494 | 2,494 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 52
Project Code:AVLAB

AAWA EW Requirements & Effects Eval. Br
Dept. Head:Mr. W.E. Lane

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Reqd Area(SF)_____ | | | | |
|----------------------|-----------------------|----------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Technical Specialist | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 380 | 380 | 380 | 380 | 380 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| TIC Library | 730 | 1 | 1 | 1 | 1 | 1 | 730 | 730 | 730 | 730 | 730 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,460 | 1,460 | 1,460 | 1,460 | 1,460 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 219 | 219 | 219 | 219 | 219 |
| Total Usable Area | | | | | | | 1,679 | 1,679 | 1,679 | 1,679 | 1,679 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 53
Project Code:AVLAB

AAWA-1 EW Requirements Group
Dept. Head:W.K. McQuay

| Job/Space Std Descrp | Space Std | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------------|-----------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| | Area(SF) | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 9 | 9 | 9 | 9 | 9 | 900 | 900 | 900 | 900 | 900 |
| On-site Contractor | 70 | 15 | 15 | 15 | 15 | 15 | 1,050 | 1,050 | 1,050 | 1,050 | 1,050 |
| Eng Tech/Analyst | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 28 | 28 | 28 | 28 | 28 | 2,340 | 2,340 | 2,340 | 2,340 | 2,340 |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| ECSRL Lab | 5900 | 1 | 1 | 1 | 1 | 1 | 5,900 | 5,900 | 5,900 | 5,900 | 5,900 |
| 1.6 Vault | 400 | 1 | 1 | 1 | 1 | 1 | 400 | 400 | 400 | 400 | 400 |
| 0.5 Vault | 900 | 1 | 1 | 1 | 1 | 1 | 900 | 900 | 900 | 900 | 900 |
| RW Lab Bldg22 | 1000 | 1 | 1 | 1 | 1 | 1 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| 1.7 Vault | 400 | 1 | 1 | 1 | 1 | 1 | 400 | 400 | 400 | 400 | 400 |
| 1.5 Vault | 825 | 1 | 1 | 1 | 1 | 1 | 825 | 825 | 825 | 825 | 825 |
| File Storage | 324 | 1 | 1 | 1 | 1 | 1 | 324 | 324 | 324 | 324 | 324 |
| Subtotal | | 8 | 8 | 8 | 8 | 8 | 10,099 | 10,099 | 10,099 | 10,099 | 10,099 |
| Subtotal Assignable | | | | | | | 12,439 | 12,439 | 12,439 | 12,439 | 12,439 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 1,866 | 1,866 | 1,866 | 1,866 | 1,866 |
| Total Usable Area | | | | | | | 14,305 | 14,305 | 14,305 | 14,305 | 14,305 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 54
Project Code:AVLAB

AAWA-2 Effectiveness Evaluation Group
Dept. Head:D. McDermott

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|-----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 12 | 12 | 12 | 12 | 12 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| Eng Tech/Analyst | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| On-site Contractor | 70 | 20 | 20 | 20 | 20 | 20 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Subtotal | | 37 | 37 | 37 | 37 | 37 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| IDAL Sim. Labs | 7800 | 1 | 1 | 1 | 1 | 1 | 7,800 | 7,800 | 7,800 | 7,800 | 7,800 |
| Config Mgt Files | 500 | 1 | 1 | 1 | 1 | 1 | 500 | 500 | 500 | 500 | 500 |
| Classified Storage | 750 | 1 | 1 | 1 | 1 | 1 | 750 | 750 | 750 | 750 | 750 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 9,400 | 9,400 | 9,400 | 9,400 | 9,400 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 12,400 | 12,400 | 12,400 | 12,400 | 12,400 |
| | | | | | | | | | | | |
| Secondary Circ. | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 1,860 | 1,860 | 1,860 | 1,860 | 1,860 |
| Total Usable Area | | | | | | | 14,260 | 14,260 | 14,260 | 14,260 | 14,260 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 55
 Project Code:AVLAB

AAWD ECM Advanced Development Branch
 Dept. Head:Mr. P.J. Westcott

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Program Manager | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 380 | 380 | 380 | 380 | 380 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Supplies Storage | 324 | 1 | 1 | 1 | 1 | 1 | 324 | 324 | 324 | 324 | 324 |
| Computer Workroom | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 714 | 714 | 714 | 714 | 714 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,094 | 1,094 | 1,094 | 1,094 | 1,094 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 164 | 164 | 164 | 164 | 164 |
| Total Usable Area | | | | | | | 1,258 | 1,258 | 1,258 | 1,258 | 1,258 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

04/21/93
Page 56
Project Code:AVLAB

AAWD-1 EW Advanced Dev Program Group
Dept. Head:D.A. Hime

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 6 | 6 | 6 | 6 | 6 | 600 | 600 | 600 | 600 | 600 |
| Eng Tech/Analyst | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 10 | 10 | 10 | 10 | 10 | 990 | 990 | 990 | 990 | 990 |
| Subtotal Assignable | | | | | | | 990 | 990 | 990 | 990 | 990 |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 149 | 149 | 149 | 149 | 149 |
| Total Usable Area | | | | | | | 1,139 | 1,139 | 1,139 | 1,139 | 1,139 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 57
Project Code:AVLAB

AAWD-2 EO Warfare Adv Dev Prog Group
Dept. Head: B.L. Noren

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 6 | 6 | 6 | 6 | 6 | 600 | 600 | 600 | 600 | 600 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 10 | 10 | 10 | 10 | 10 | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 |
| Subtotal Assignable | | | | | | | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 156 | 156 | 156 | 156 | 156 |
| Total Usable Area | | | | | | | 1,196 | 1,196 | 1,196 | 1,196 | 1,196 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 58
 Project Code:AVLAB

AAWD-3 Integrated EW Systems Group
 Dept. Head:L.D. Snyder

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 7 | 7 | 7 | 7 | 7 | 700 | 700 | 700 | 700 | 700 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 9 | 9 | 9 | 9 | 9 | 900 | 900 | 900 | 900 | 900 |
| Subtotal Assignable | | | | | | | 900 | 900 | 900 | 900 | 900 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 135 | 135 | 135 | 135 | 135 |
| Total Usable Area | | | | | | | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 59
Project Code:AVLAB

AAWP Passive Elec Countermeasure Br
Dept. Head:Mr. P.E. Hadorn

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 230 | 230 | 230 | 230 | 230 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Laser/Radar Lab | 840 | 1 | 1 | 1 | 1 | 1 | 840 | 840 | 840 | 840 | 840 |
| Hanger Labs | 5700 | 1 | 1 | 1 | 1 | 1 | 5,700 | 5,700 | 5,700 | 5,700 | 5,700 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 6,970 | 6,970 | 6,970 | 6,970 | 6,970 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 |
| Total Usable Area | | | | | | | 8,280 | 8,280 | 8,280 | 8,280 | 8,280 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

04/21/83
Page 80
Project Code:AVLAB

AAWP-1 ERM Technology Group
Dept. Head:R.L. Shaw

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 6 | 6 | 6 | 6 | 6 | 600 | 600 | 600 | 600 | 600 |
| On-site Contractor | 70 | 4 | 4 | 4 | 4 | 4 | 280 | 280 | 280 | 280 | 280 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 16 | 16 | 16 | 16 | 16 | 1,460 | 1,460 | 1,460 | 1,460 | 1,460 |
| Support Space | | | | | | | | | | | |
| Receiver/Proc Lab | 2410 | 1 | 1 | 1 | 1 | 1 | 2,410 | 2,410 | 2,410 | 2,410 | 2,410 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 2,410 | 2,410 | 2,410 | 2,410 | 2,410 |
| Subtotal Assignable | | | | | | | 3,870 | 3,870 | 3,870 | 3,870 | 3,870 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 581 | 581 | 581 | 581 | 581 |
| Total Usable Area | | | | | | | 4,451 | 4,451 | 4,451 | 4,451 | 4,451 |

Wright-Patterson Air Force Base
 Antonio Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 61
 Project Code:AVLAB

AAWP-2 Exploitation Group
 Dept. Head:D.C. Murray

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Eng Tech/Analyst | 70 | 1 | 1 | 1 | 1 | 1 | 70 | 70 | 70 | 70 | 70 |
| On-site Contractor | 70 | 23 | 23 | 23 | 23 | 23 | 1,610 | 1,610 | 1,610 | 1,610 | 1,610 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 37 | 37 | 37 | 37 | 37 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (20-25) | 500 | 1 | 1 | 1 | 1 | 1 | 500 | 500 | 500 | 500 | 500 |
| Anechoic Chambers | 20200 | 1 | 1 | 1 | 1 | 1 | 20,200 | 20,200 | 20,200 | 20,200 | 20,200 |
| Vault | 288 | 1 | 1 | 1 | 1 | 1 | 288 | 288 | 288 | 288 | 288 |
| Integrated Circ Lab | 610 | 1 | 1 | 1 | 1 | 1 | 610 | 610 | 610 | 610 | 610 |
| Vault | 1234 | 1 | 1 | 1 | 1 | 1 | 1,234 | 1,234 | 1,234 | 1,234 | 1,234 |
| Machine Shop | 864 | 1 | 1 | 1 | 1 | 1 | 864 | 864 | 864 | 864 | 864 |
| Contractor Eq Maint | 2911 | 1 | 1 | 1 | 1 | 1 | 2,911 | 2,911 | 2,911 | 2,911 | 2,911 |
| Open Storage | 3000 | 1 | 1 | 1 | 1 | 1 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| Contractor Work Area | 1813 | 1 | 1 | 1 | 1 | 1 | 1,813 | 1,813 | 1,813 | 1,813 | 1,813 |
| Subtotal | | 9 | 9 | 9 | 9 | 9 | 31,420 | 31,420 | 31,420 | 31,420 | 31,420 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 34,420 | 34,420 | 34,420 | 34,420 | 34,420 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 5,163 | 5,163 | 5,163 | 5,163 | 5,163 |
| Total Usable Area | | | | | | | 39,583 | 39,583 | 39,583 | 39,583 | 39,583 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 62
Project Code:AVLAS

AAWP-3 Electro-Optics Group
Dept. Head:G. Grider

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------|-------|-------|-------|-------|-------|---------------|---------------|---------------|---------------|---------------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 5 | 5 | 5 | 5 | 5 | 500 | 500 | 500 | 500 | 500 |
| Eng Tech/Analyst | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| On-site Contractor | 70 | 6 | 6 | 6 | 6 | 6 | 420 | 420 | 420 | 420 | 420 |
| Visiting Prof/Student | 70 | 3 | 3 | 3 | 3 | 3 | 210 | 210 | 210 | 210 | 210 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 18 | 18 | 18 | 18 | 18 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 |
| Support Space | | | | | | | | | | | |
| IR Lab | 1511 | 1 | 1 | 1 | 1 | 1 | 1,511 | 1,511 | 1,511 | 1,511 | 1,511 |
| Electro-Optics Lab | 10392 | 1 | 1 | 1 | 1 | 1 | 10,392 | 10,392 | 10,392 | 10,392 | 10,392 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 11,903 | 11,903 | 11,903 | 11,903 | 11,903 |
| Subtotal Assignable | | | | | | | 13,373 | 13,373 | 13,373 | 13,373 | 13,373 |
| Secondary Circ. | | | | | | | | | | | |
| | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | | 2,006 | 2,006 | 2,006 | 2,006 | 2,006 |
| Total Usable Area | | | | | | | 15,379 | 15,379 | 15,379 | 15,379 | 15,379 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 63
Project Code:AVLAB

AAWW Active Elec Countermeasure Br
Dept. Head:Mr. K.W. Helberg

| Job/Space Std Descrp | Space Std | Qty | | | | | Rpt Area(SF) | | | | |
|-----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Visiting Prof/Student | 70 | 2 | 2 | 2 | 2 | 2 | 140 | 140 | 140 | 140 | 140 |
| Secretary | 80 | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 450 | 450 | 450 | 450 | 450 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Computer Workroom | 324 | 1 | 1 | 1 | 1 | 1 | 324 | 324 | 324 | 324 | 324 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 754 | 754 | 754 | 754 | 754 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,204 | 1,204 | 1,204 | 1,204 | 1,204 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 181 | 181 | 181 | 181 | 181 |
| Total Usable Area | | | | | | | 1,385 | 1,385 | 1,385 | 1,385 | 1,385 |

Wright-Patterson Air Force Base
Antennas Lab - Strategic Facilities Plan
Space Summary by Group

08/21/83
Page 64
Project Code:AVLAB

AAMW-1 CM Technology Group
Dept. Head: J.V. Kastle

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Reqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 10 | 10 | 10 | 10 | 10 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Support Space | | | | | | | | | | | |
| RFCM Lab | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Mini Chamber Lab | 565 | 0 | 1 | 1 | 1 | 1 | 0 | 565 | 565 | 565 | 565 |
| Data Collection Lab | 240 | 0 | 1 | 1 | 1 | 1 | 0 | 240 | 240 | 240 | 240 |
| DRFM Lab | 1337 | 1 | 1 | 1 | 1 | 1 | 1,337 | 1,337 | 1,337 | 1,337 | 1,337 |
| Subtotal | | 2 | 4 | 4 | 4 | 4 | 1,637 | 2,442 | 2,442 | 2,442 | 2,442 |
| Subtotal Assignable | | | | | | | 2,637 | 3,442 | 3,442 | 3,442 | 3,442 |
| Secondary Circ. | | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 396 | 516 | 516 | 516 | 516 |
| Total Usable Area | | | | | | | 3,033 | 3,958 | 3,958 | 3,958 | 3,958 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

08/21/83
 Page 66
 Project Code:AVLAB

AAWW-2 Countermeasures Concepts Group
 Dept. Head: A.W. White

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 8 | 8 | 8 | 8 | 8 | 800 | 800 | 800 | 800 | 800 |
| On-site Contractor | 70 | 6 | 6 | 6 | 6 | 6 | 420 | 420 | 420 | 420 | 420 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 18 | 18 | 18 | 18 | 18 | 1,660 | 1,660 | 1,660 | 1,660 | 1,660 |
| Support Space | | | | | | | | | | | |
| 3.5 Vault | 390 | 1 | 1 | 1 | 1 | 1 | 390 | 390 | 390 | 390 | 390 |
| C3CM Lab | 1600 | 0 | 1 | 1 | 1 | 1 | 0 | 1,600 | 1,600 | 1,600 | 1,600 |
| Anechoic Chamber/Lab | 5400 | 1 | 1 | 1 | 1 | 1 | 5,400 | 5,400 | 5,400 | 5,400 | 5,400 |
| Storage Room | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Subtotal | | 3 | 4 | 4 | 4 | 4 | 5,990 | 7,590 | 7,590 | 7,590 | 7,590 |
| Subtotal Assignable | | | | | | | 7,650 | 9,250 | 9,250 | 9,250 | 9,250 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 1,148 | 1,388 | 1,388 | 1,388 | 1,388 |
| Total Usable Area | | | | | | | 8,798 | 10,638 | 10,638 | 10,638 | 10,638 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 66
 Project Code:AVLAS

AAWW-3 E-O Warfare Group
 Dept. Head:L.J. Baumgardner

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Group Chief | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| GS14-GS15 Engineer | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| GS11-GS13 Engineer | 100 | 6 | 6 | 6 | 6 | 6 | 600 | 600 | 600 | 600 | 600 |
| On-site Contractor | 70 | 8 | 8 | 8 | 8 | 8 | 560 | 560 | 560 | 560 | 560 |
| Subtotal | | 17 | 17 | 17 | 17 | 17 | 1,520 | 1,520 | 1,520 | 1,520 | 1,520 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| DIME Lab | 3370 | 1 | 1 | 1 | 1 | 1 | 3,370 | 3,370 | 3,370 | 3,370 | 3,370 |
| IR Lab | 1550 | 0 | 1 | 1 | 1 | 1 | 0 | 1,550 | 1,550 | 1,550 | 1,550 |
| Subtotal | | 1 | 2 | 2 | 2 | 2 | 3,370 | 4,920 | 4,920 | 4,920 | 4,920 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 4,890 | 6,440 | 6,440 | 6,440 | 6,440 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 734 | 966 | 966 | 966 | 966 |
| Total Usable Area | | | | | | | 5,624 | 7,406 | 7,406 | 7,406 | 7,406 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

08/21/93
Page 87
Project Code:AVLAB

DOIA AV/SS Elec Computer Support Bt
Dept. Head:Capt Holcomb

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 4 | 4 | 4 | 4 | 4 | 400 | 400 | 400 | 400 | 400 |
| On-site Contractor | 70 | 8 | 8 | 8 | 8 | 8 | 560 | 560 | 560 | 560 | 560 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 14 | 14 | 14 | 14 | 14 | 1,190 | 1,190 | 1,190 | 1,190 | 1,190 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Tape Storage | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Training Room | 500 | 1 | 1 | 1 | 1 | 1 | 500 | 500 | 500 | 500 | 500 |
| Work Shop | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 1,070 | 1,070 | 1,070 | 1,070 | 1,070 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 2,260 | 2,260 | 2,260 | 2,260 | 2,260 |
| | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 339 | 339 | 339 | 339 | 339 |
| Total Usable Area | | | | | | | 2,599 | 2,599 | 2,599 | 2,599 | 2,599 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 68
 Project Code:AVLAB

DOLA Supportability Office
 Dept. Head:Michael Greenwood

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 3 | 3 | 3 | 3 | 3 | 300 | 300 | 300 | 300 | 300 |
| Secretary | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 530 | 530 | 530 | 530 | 530 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 680 | 680 | 680 | 680 | 680 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 102 | 102 | 102 | 102 | 102 |
| Total Usable Area | | | | | | | 782 | 782 | 782 | 782 | 782 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 89
 Project Code:AVLAS

DOM Supply Specialist Unit
 Dept. Head: Charles McBeth

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|----------------------|-----------------------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Eng Tech/Analyst | 70 | 4 | 4 | 4 | 4 | 4 | 280 | 280 | 280 | 280 | 280 |
| Subtotal | | 5 | 5 | 5 | 5 | 5 | 430 | 430 | 430 | 430 | 430 |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Storage/Loading | 350 | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 350 | 350 | 350 | 350 | 350 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 780 | 780 | 780 | 780 | 780 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.% | 13.% | 13.% | 13.% | 13.% | | 117 | 117 | 117 | 117 | 117 |
| Total Usable Area | | | | | | | 897 | 897 | 897 | 897 | 897 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

04/21/83
 Page 70
 Project Code:AVLAS

DOSA Safety Office
 Dept. Head: Carlton Johnson

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 250 | 250 | 250 | 250 | 250 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 250 | 250 | 250 | 250 | 250 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 38 | 38 | 38 | 38 | 38 |
| Total Usable Area | | | | | | | 288 | 288 | 288 | 288 | 288 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 71
Project Code:AVLAB

DOWA Meteorology Office
Dept. Head:Ronald Rodney

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| GS11-GS13 Engineer | 100 | 2 | 2 | 2 | 2 | 2 | 200 | 200 | 200 | 200 | 200 |
| Subtotal | | 3 | 3 | 3 | 3 | 3 | 350 | 350 | 350 | 350 | 350 |
| | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (4-8) | 150 | 1 | 1 | 1 | 1 | 1 | 150 | 150 | 150 | 150 | 150 |
| Tech Library | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 250 | 250 | 250 | 250 | 250 |
| | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 600 | 600 | 600 | 600 | 600 |
| | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 90 | 90 | 90 | 90 | 90 |
| Total Usable Area | | | | | | | 690 | 690 | 690 | 690 | 690 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 72
Project Code:AVLAB

DOYA Security Office
Dept. Head: Dale Baker

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| GS11-GS13 Engineer | 100 | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 100 | 100 |
| Subtotal Assignable | | | | | | | 100 | 100 | 100 | 100 | 100 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 15 | 15 | 15 | 15 | 15 |
| Total Usable Area | | | | | | | 115 | 115 | 115 | 115 | 115 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 73
Project Code:AVLAB

EL Sci. State Electr. Directorate
Dept. Head:W.J. Edwards

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------------|-----------------------|-------|-------|-------|-------|-------|---------------|---------------|---------------|---------------|---------------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Directorate Director | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Deputy Director | 200 | 1 | 1 | 1 | 1 | 1 | 200 | 200 | 200 | 200 | 200 |
| Executive Secretary | 120 | 2 | 2 | 2 | 2 | 2 | 240 | 240 | 240 | 240 | 240 |
| Subtotal | | 4 | 4 | 4 | 4 | 4 | 740 | 740 | 740 | 740 | 740 |
| Support Space | | | | | | | | | | | |
| Coffee/Snack | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| Conf. Room (20-25) | 500 | 1 | 1 | 1 | 1 | 1 | 500 | 500 | 500 | 500 | 500 |
| Copy Room | 40 | 1 | 1 | 1 | 1 | 1 | 40 | 40 | 40 | 40 | 40 |
| EL Division Labs | 16800 | 1 | 1 | 1 | 1 | 1 | 16,800 | 16,800 | 16,800 | 16,800 | 16,800 |
| EL Div Cleanrooms | 7335 | 1 | 1 | 1 | 1 | 1 | 7,335 | 7,335 | 7,335 | 7,335 | 7,335 |
| Reception Area | 80 | 2 | 2 | 2 | 2 | 2 | 160 | 160 | 160 | 160 | 160 |
| Storage | 1300 | 1 | 1 | 1 | 1 | 1 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 |
| Subtotal | | 8 | 8 | 8 | 8 | 8 | 26,175 | 26,175 | 26,175 | 26,175 | 26,175 |
| Subtotal Assignable | | | | | | | 26,915 | 26,915 | 26,915 | 26,915 | 26,915 |
| Secondary Circ. | | | | | | | | | | | |
| | 13. % | 13. % | 13. % | 13. % | 13. % | | 4,037 | 4,037 | 4,037 | 4,037 | 4,037 |
| Total Usable Area | | | | | | | 30,952 | 30,952 | 30,952 | 30,952 | 30,952 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 74
Project Code:AVLAB

EL-CA Chief Scientist - EL
Dept. Head:

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|----------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Chief Scientist | 300 | 1 | 1 | 1 | 1 | 1 | 300 | 300 | 300 | 300 | 300 |
| Executive Secretary | 120 | 1 | 1 | 1 | 1 | 1 | 120 | 120 | 120 | 120 | 120 |
| Subtotal | | 2 | 2 | 2 | 2 | 2 | 420 | 420 | 420 | 420 | 420 |
| Support Space | | | | | | | | | | | |
| Reception Area | 80 | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal | | 1 | 1 | 1 | 1 | 1 | 80 | 80 | 80 | 80 | 80 |
| Subtotal Assignable | | | | | | | 500 | 500 | 500 | 500 | 500 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 75 | 75 | 75 | 75 | 75 |
| Total Usable Area | | | | | | | 575 | 575 | 575 | 575 | 575 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 75
Project Code:AVLAB

ELA Operations Division
Dept. Head:Mr. D.S. Rees

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | | | | | 200 | | | | |
| GS14-GS15 Engineer | 120 | 6 | | | | | 720 | | | | |
| GS11-GS13 Engineer | 100 | 1 | | | | | 100 | | | | |
| Eng Tech/Analyst | 70 | 2 | | | | | 140 | | | | |
| On-site Contractor | 70 | 4 | | | | | 280 | | | | |
| Executive Secretary | 120 | 1 | | | | | 120 | | | | |
| Subtotal | | 15 | | | | | 1,560 | | | | |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Copy Room | 40 | 1 | | | | | 40 | | | | |
| Reception Area | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 2 | | | | | 120 | | | | |
| <hr/> | | | | | | | | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | 1,764 | 1,852 | 1,945 | 2,042 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,680 | 1,764 | 1,852 | 1,945 | 2,042 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | 13.3% | 13.3% | 13.3% | 13.3% | 13.3% | 252 | 265 | 278 | 292 | 306 | |
| Total Usable Area | | | | | | | 1,932 | 2,029 | 2,130 | 2,237 | 2,349 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 76
Project Code:AVLAB

ELE Microelectronics Division
Dept. Head:Mr. S.E. Wagner

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | | | | | 200 | | | | |
| GS11-GS13 Engineer | 100 | 1 | | | | | 100 | | | | |
| On-site Contractor | 70 | 1 | | | | | 70 | | | | |
| Executive Secretary | 120 | 1 | | | | | 120 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 5 | | | | | 570 | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | | | | | 350 | | | | |
| Reception Area | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 2 | | | | | 430 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 1,050 | 1,103 | 1,158 | 1,216 | |
| Subtotal Assignable | | | | | | | 1,000 | 1,050 | 1,103 | 1,158 | 1,216 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 150 | 158 | 165 | 174 | 182 |
| Total Usable Area | | | | | | | 1,150 | 1,208 | 1,268 | 1,332 | 1,398 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 77
Project Code:AVLAB

ELED Design Branch
Dept. Head:Dr. J.W. Hines

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Reqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS11-GS13 Engineer | 100 | 9 | | | | | 900 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 11 | | | | | 1,130 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 1,187 | 1,246 | 1,308 | 1,373 | |
| Subtotal Assignable | | | | | | | 1,130 | 1,187 | 1,246 | 1,308 | 1,373 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 170 | 178 | 187 | 196 | 206 |
| Total Usable Area | | | | | | | 1,300 | 1,365 | 1,433 | 1,504 | 1,579 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 78
Project Code:AVLAB

ELEL VLS Integration Branch
Dept. Head:Mr. A.G. Tewksbury

| Job/Space Std Descrp | Space Std Area(SF) | City_____ | | | | | Ryd Area(SF)_____ | | | | |
|------------------------------------|-----------------------|-----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 2 | | | | | 240 | | | | |
| GS11-GS13 Engineer | 100 | 7 | | | | | 700 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 11 | | | | | 1,170 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 1,229 | 1,290 | 1,355 | 1,423 | |
| Subtotal Assignable | | | | | | | 1,170 | 1,229 | 1,290 | 1,355 | 1,423 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 176 | 184 | 194 | 203 | 213 |
| Total Usable Area | | | | | | | 1,346 | 1,413 | 1,484 | 1,558 | 1,636 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 79
 Project Code:AVLAS

ELET Device Technology Branch
 Dept. Head: Vacant

| Job/Space Std Descrp | Space Std | City | | | | | Rgd Area(SF) | | | | |
|------------------------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 1 | | | | | 120 | | | | |
| GS11-GS13 Engineer | 100 | 4 | | | | | 400 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 7 | | | | | 750 | | | | |
| <hr/> | | | | | | | | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | 788 | 827 | 868 | 911 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 750 | 788 | 827 | 868 | 911 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 113 | 118 | 124 | 130 | 137 |
| Total Usable Area | | | | | | | 863 | 906 | 951 | 998 | 1,048 |

Wright-Patterson Air Force Base
 Antonio Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 80
 Project Code:AVLAB

ELM Microwave Division
 Dept. Head: Mr. R.T. Kernerley

| Job/Space Std Descrp | Space Std | Qty | | | | | Reqd Area(SF) | | | | |
|------------------------------------|-----------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 | Jan83 | Jan84 | Jan85 | Jan87 | Jan88 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | | | | | 200 | | | | |
| On-site Contractor | 70 | 3 | | | | | 210 | | | | |
| Executive Secretary | 120 | 1 | | | | | 120 | | | | |
| Subtotal | | 5 | | | | | 530 | | | | |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | | | | | 350 | | | | |
| Reception Area | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 2 | | | | | 430 | | | | |
| <hr/> | | | | | | | | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | 1,008 | 1,058 | 1,111 | 1,167 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 960 | 1,008 | 1,058 | 1,111 | 1,167 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 144 | 151 | 159 | 167 | 175 |
| Total Usable Area | | | | | | | 1,104 | 1,159 | 1,217 | 1,278 | 1,342 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 81
Project Code:AVLAB

ELMD Microwave Devices Branch
Dept. Head:Mr. H.J. Romaker

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS11-GS13 Engineer | 100 | 8 | | | | | 800 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 10 | | | | | 1,030 | | | | |
| <hr/> | | | | | | | | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | 1,082 | 1,136 | 1,193 | 1,253 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,030 | 1,082 | 1,136 | 1,193 | 1,253 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 155 | 162 | 170 | 179 | 188 |
| Total Usable Area | | | | | | | 1,185 | 1,244 | 1,306 | 1,372 | 1,441 |

Wright-Patterson Air Force Base
 Avionics Lab - Strategic Facilities Plan
 Space Summary by Group

06/21/83
 Page 82
 Project Code:AVLAB

ELMS Microwave Systems Tech Branch
 Dept. Head: Vacant

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS11-GS13 Engineer | 100 | 5 | | | | | 500 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 7 | | | | | 730 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 767 | 805 | 845 | 887 | |
| Subtotal Assignable | | | | | | | 730 | 767 | 805 | 845 | 887 |
| Secondary Circ. | | 13.1% | 13.1% | 13.1% | 13.1% | 13.1% | 110 | 115 | 121 | 127 | 133 |
| Total Usable Area | | | | | | | 840 | 882 | 926 | 972 | 1,020 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 83
Project Code:AVLAB

ELMT Microwave Tech & Apps. Branch
Dept. Head:Mr. M.C. Calcatera

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Reqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS11-GS13 Engineer | 100 | 10 | | | | | 1,000 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 12 | | | | | 1,230 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 1,292 | 1,357 | 1,425 | 1,496 | |
| Subtotal Assignable | | | | | | | 1,230 | 1,292 | 1,357 | 1,425 | 1,496 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 185 | 194 | 204 | 214 | 224 |
| Total Usable Area | | | | | | | 1,415 | 1,486 | 1,561 | 1,639 | 1,720 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

08/21/83
Page 84
Project Code:AVLAB

ELO Electro-Optics Division
Dept. Head:Mr. R.L. Remski

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | | | | | 200 | | | | |
| On-site Contractor | 70 | 2 | | | | | 140 | | | | |
| Executive Secretary | 120 | 1 | | | | | 120 | | | | |
| Subtotal | | 4 | | | | | 460 | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | | | | | 350 | | | | |
| Reception Area | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 2 | | | | | 430 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 935 | 982 | 1,031 | 1,083 | |
| Subtotal Assignable | | | | | | | 890 | 935 | 982 | 1,031 | 1,083 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 134 | 140 | 147 | 155 | 162 |
| Total Usable Area | | | | | | | 1,024 | 1,075 | 1,129 | 1,186 | 1,245 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 85
Project Code:AVLAB

ELOD Electro-Optics Detector Branch
Dept. Head:Mr. C.H. Stevens

| Job/Space Std Descrp | Space Std Area(SF) | Qty_____ | | | | | Rqd Area(SF)_____ | | | | |
|------------------------------------|-----------------------|----------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 1 | | | | | 120 | | | | |
| GS11-GS13 Engineer | 100 | 6 | | | | | 600 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 9 | | | | | 950 | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | | | | |
| | | | | | | | 998 | 1,048 | 1,100 | 1,155 | |
| Subtotal Assignable | | | | | | | 950 | 998 | 1,048 | 1,100 | 1,155 |
| Secondary Circ. | | 13.1% | 13.1% | 13.1% | 13.1% | 13.1% | 143 | 150 | 157 | 165 | 173 |
| Total Usable Area | | | | | | | 1,093 | 1,148 | 1,205 | 1,265 | 1,328 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 86
Project Code:AVLAB

ELOS Electro-Optics Sources Branch
Dept. Head:Mr. D.J. Smith

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 1 | | | | | 120 | | | | |
| GS11-GS13 Engineer | 100 | 8 | | | | | 800 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 11 | | | | | 1,150 | | | | |
| <hr/> | | | | | | | | | | | |
| Forecast by Percentage Growth Rate | | | 5% | 5% | 5% | 5% | | 1,208 | 1,268 | 1,331 | 1,398 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 1,150 | 1,208 | 1,268 | 1,331 | 1,398 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 173 | 181 | 190 | 200 | 210 |
| Total Usable Area | | | | | | | 1,323 | 1,389 | 1,458 | 1,531 | 1,608 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 87
Project Code:AVLAB

ELOT E-O Techniques & Apps Branch
Dept. Head:Mr. C.R. Lane

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 1 | | | | | 120 | | | | |
| GS11-GS13 Engineer | 100 | 6 | | | | | 600 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 9 | | | | | 950 | | | | |
| Forecast by Percentage Growth Rate | | 5% | 5% | 5% | 5% | | | | | | |
| | | | | | | | 998 | 1,048 | 1,100 | 1,155 | |
| Subtotal Assignable | | | | | | | 950 | 998 | 1,048 | 1,100 | 1,155 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 143 | 160 | 167 | 166 | 173 |
| Total Usable Area | | | | | | | 1,093 | 1,148 | 1,205 | 1,266 | 1,328 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/83
Page 88
Project Code:AVLAB

ELR Research Division
Dept. Head:Mr. G.L. McCoy

| Job/Space Std Descrp | Space Std | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | Area(SF) | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| <hr/> | | | | | | | | | | | |
| Personnel Space | | | | | | | | | | | |
| Division Director | 200 | 1 | | | | | 200 | | | | |
| On-site Contractor | 70 | 21 | | | | | 1,470 | | | | |
| Executive Secretary | 120 | 1 | | | | | 120 | | | | |
| Subtotal | | 23 | | | | | 1,790 | | | | |
| <hr/> | | | | | | | | | | | |
| Support Space | | | | | | | | | | | |
| Conf. Room (10-15) | 350 | 1 | | | | | 350 | | | | |
| Reception Area | 80 | 1 | | | | | 80 | | | | |
| Prec. Metals Store | 100 | 1 | | | | | 100 | | | | |
| Subtotal | | 3 | | | | | 530 | | | | |
| <hr/> | | | | | | | | | | | |
| Forecast by Percentage Growth Rate | | 10% | 10% | 10% | 10% | | | 2,552 | 2,807 | 3,088 | 3,397 |
| <hr/> | | | | | | | | | | | |
| Subtotal Assignable | | | | | | | 2,320 | 2,552 | 2,807 | 3,088 | 3,397 |
| <hr/> | | | | | | | | | | | |
| Secondary Circ. | | 13.1% | 13.1% | 13.1% | 13.1% | 13.1% | 348 | 383 | 421 | 463 | 510 |
| Total Usable Area | | | | | | | 2,668 | 2,935 | 3,228 | 3,551 | 3,907 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

06/21/93
Page 88
Project Code:AVLAB

ELRA Character. & Analysis Branch
Dept. Head:Dr. R.E. Walline

| Job/Space Std Descrp | Space Std Area(SF) | Qty | | | | | Rqd Area(SF) | | | | |
|------------------------------------|-----------------------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| | | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 | Jan93 | Jan94 | Jan95 | Jan97 | Jan99 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 2 | | | | | 240 | | | | |
| GS11-GS13 Engineer | 100 | 13 | | | | | 1,300 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 17 | | | | | 1,770 | | | | |
| Forecast by Percentage Growth Rate | | | 10% | 10% | 10% | 10% | | | | | |
| | | | | | | | 1,947 | 2,142 | 2,356 | 2,592 | |
| Subtotal Assignable | | | | | | | 1,770 | 1,947 | 2,142 | 2,356 | 2,592 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 266 | 292 | 321 | 353 | 389 |
| Total Usable Area | | | | | | | 2,036 | 2,239 | 2,463 | 2,709 | 2,981 |

Wright-Patterson Air Force Base
Avionics Lab - Strategic Facilities Plan
Space Summary by Group

08/21/83
Page 80
Project Code:AVLAB

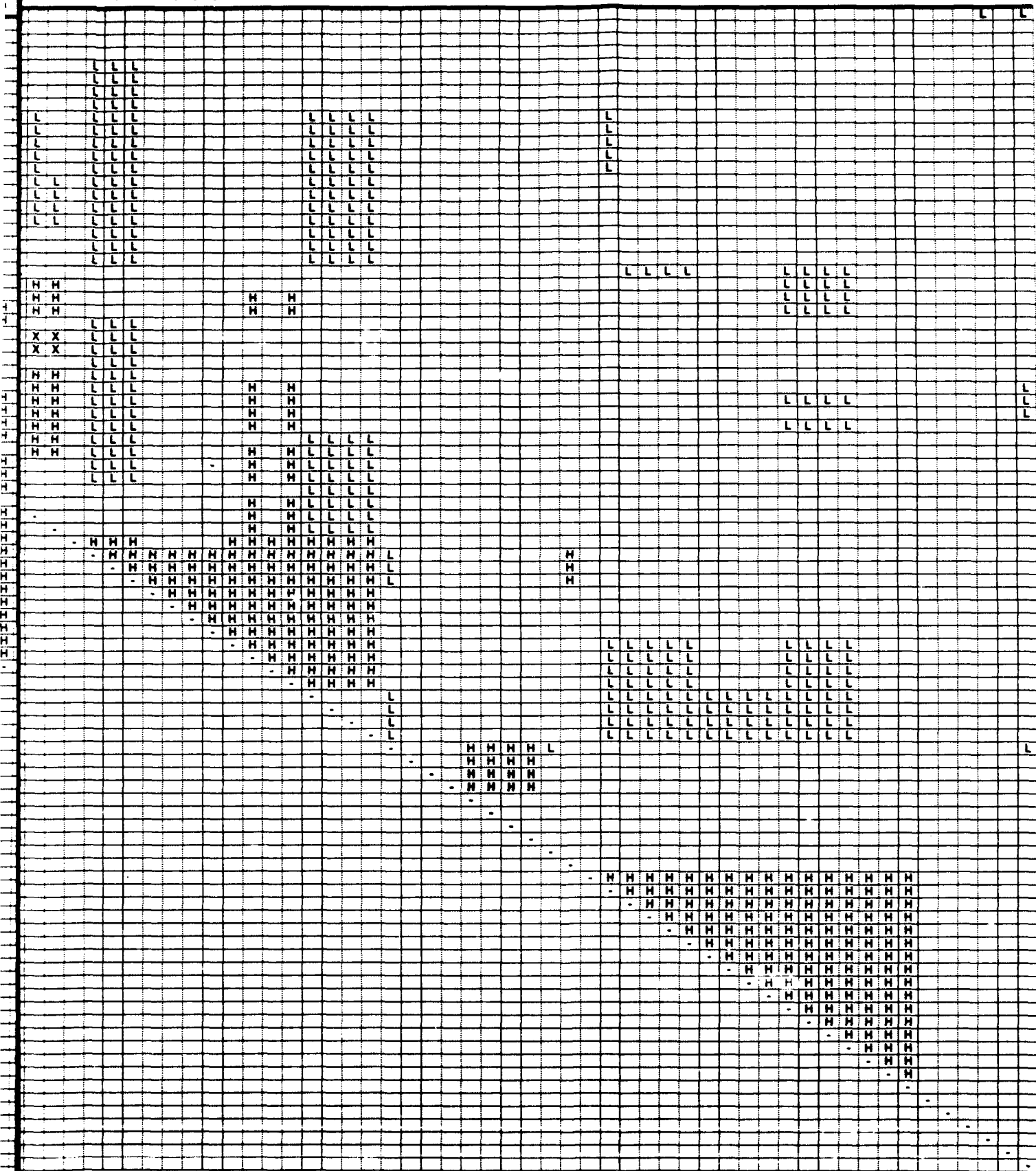
ELRD Device Research Branch
Dept. Head:Mr. K. Nakano

| Job/Space Std Descrp | Space Std Area(SF) | City _____ | | | | | Rqd Area(SF) _____ | | | | |
|------------------------------------|-----------------------|------------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|
| | | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 | Jan83 | Jan84 | Jan85 | Jan87 | Jan89 |
| Personnel Space | | | | | | | | | | | |
| Branch Chief | 150 | 1 | | | | | 150 | | | | |
| GS14-GS15 Engineer | 120 | 1 | | | | | 120 | | | | |
| GS11-GS13 Engineer | 100 | 18 | | | | | 1,800 | | | | |
| Secretary | 80 | 1 | | | | | 80 | | | | |
| Subtotal | | 19 | | | | | 1,950 | | | | |
| Forecast by Percentage Growth Rate | | 10% | 10% | 10% | 10% | | | | | | |
| | | | | | | | 2,145 | 2,380 | 2,596 | 2,856 | |
| Subtotal Assignable | | | | | | | 1,950 | 2,145 | 2,380 | 2,596 | 2,856 |
| Secondary Circ. | | 13.% | 13.% | 13.% | 13.% | 13.% | 293 | 322 | 354 | 389 | 428 |
| Total Usable Area | | | | | | | 2,243 | 2,467 | 2,714 | 2,985 | 3,284 |

APPENDIX E

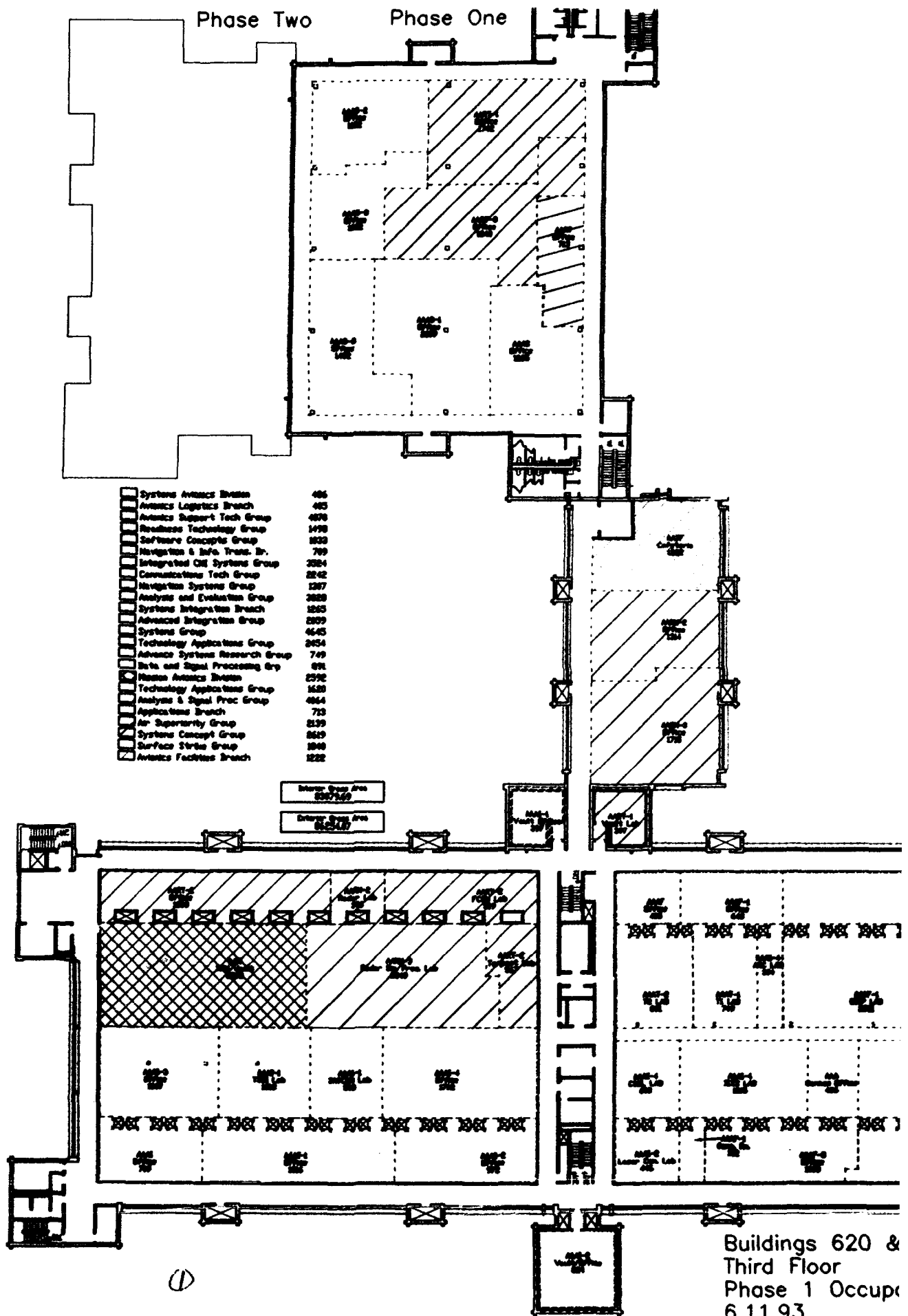
Proximity Requirements

AAE11
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AAE13
AAE14
AAE15
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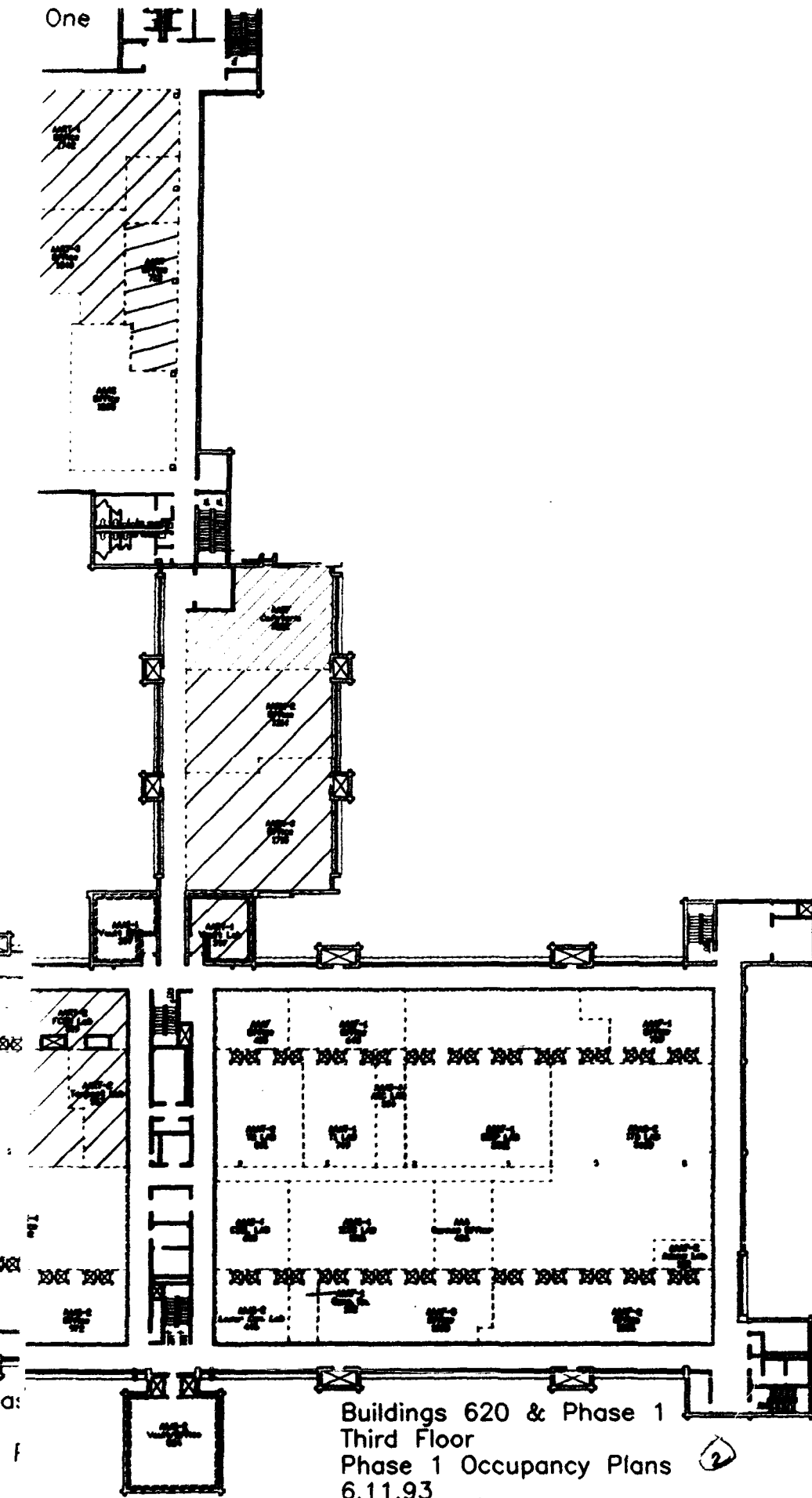


APPENDIX F

Recommended Building 620 Space
Configurations – Post Phase I and II
Construction



One



Buildings 620 & Phase 1
Third Floor
Phase 1 Occupancy Plans
6.11.93

2

Phase Two

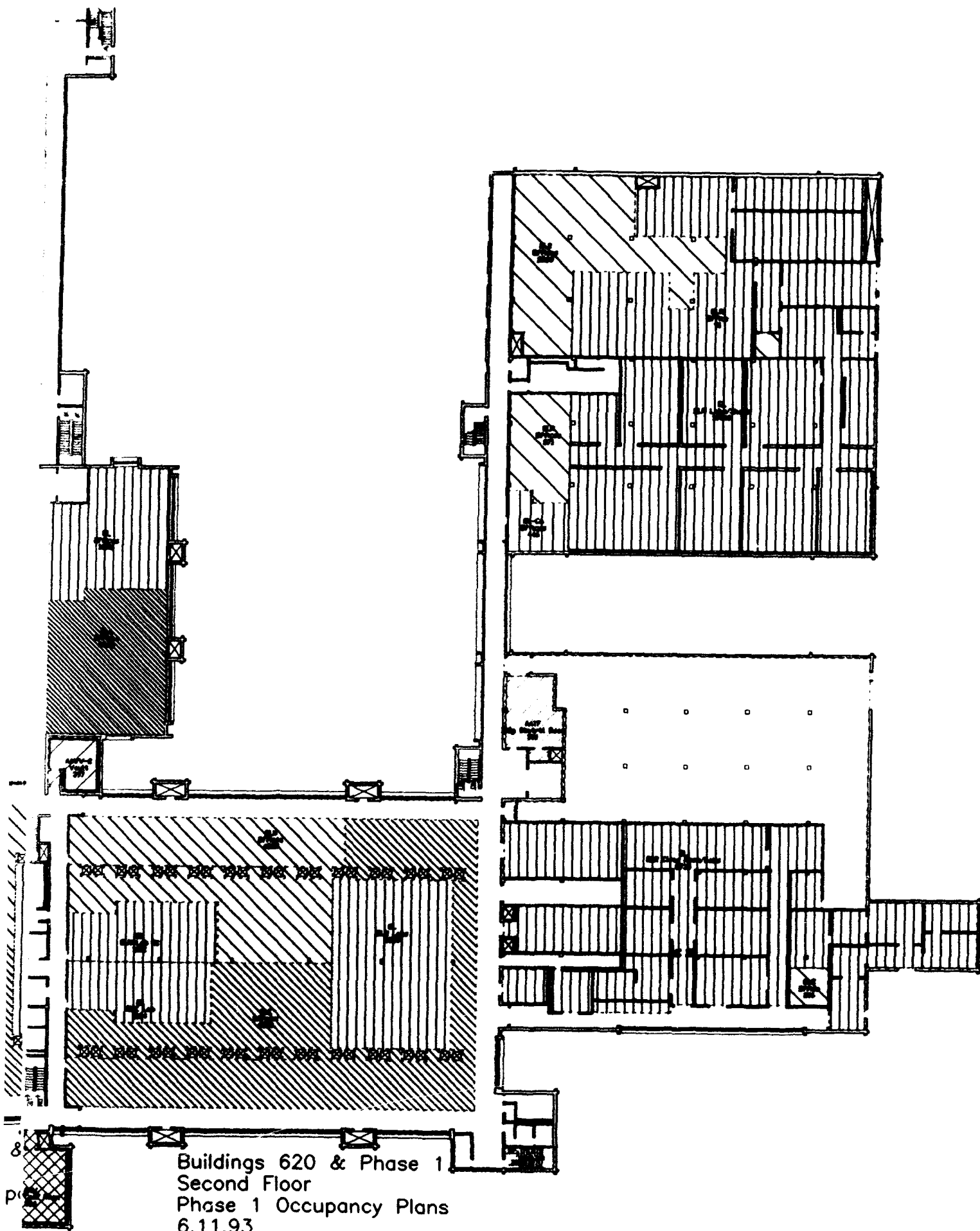
Phase One

| | |
|--------------------------------|------|
| Avionics Directorate | 2309 |
| Systems Avionics Division | 1801 |
| Financial Management Division | 1327 |
| Management Operations Division | 402 |
| Administration Branch | 305 |
| Technical Operations Branch | 1803 |
| Technology Strategy Branch | 901 |
| Avionics Facilities Branch | 3697 |
| Electronics Warfare Division | 2239 |
| EW Systems & Effects Eval. Br. | 804 |
| CM Technology Group | 1762 |
| Countermeasures Concepts Group | 4001 |
| E-O Warfare Group | 6008 |
| Sol. State Electr. Directorate | 3804 |
| Chief Scientist - EL | 446 |
| Operations Division | 2362 |
| Microelectronics Division | 6528 |
| Microwave Division | 4528 |
| Research Division | 4036 |

Storage Area Area
12000.00

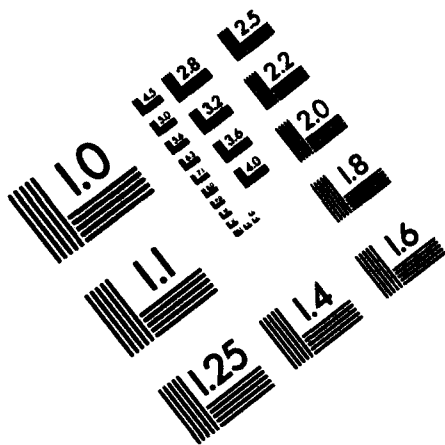
Storage Area Area
12000.00

Buildings 6
Second Floor
Phase 1 C
6.11.93



AD-A274 238 STRATEGICALLY PLANNING AUTONICS LABORATORY'S FACILITIES 3/3
FOR THE FUTURE(U) LOGISTICS MANAGEMENT INST BETHESDA MD
J A HAWKINS ET AL. SEP 93 LNI-AF205R1 XC-WL/UP
UNCLASSIFIED MDA903-90-C-0006 NL

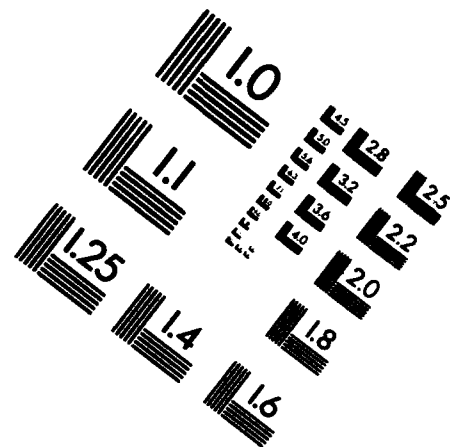
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Association for Information and Image Management

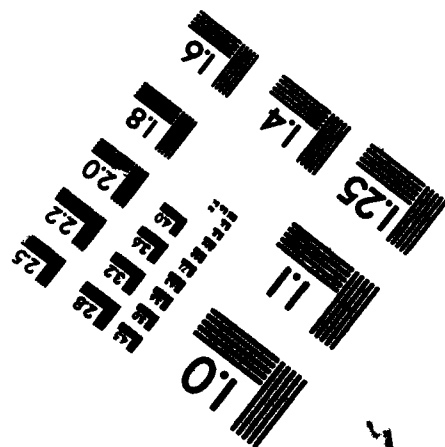
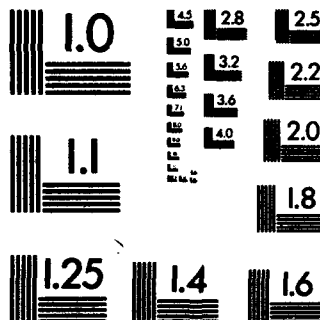
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Silver Spring, Maryland 20910
301/587-8202



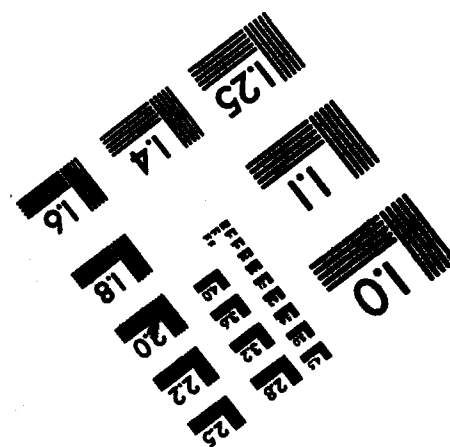
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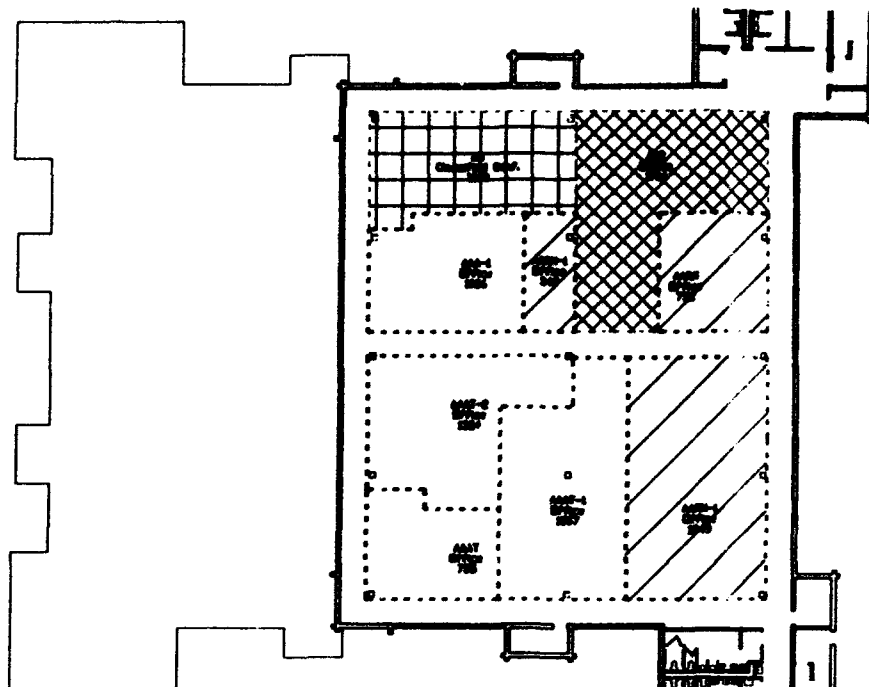


Inches



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BY APPLIED IMAGE, INC.**



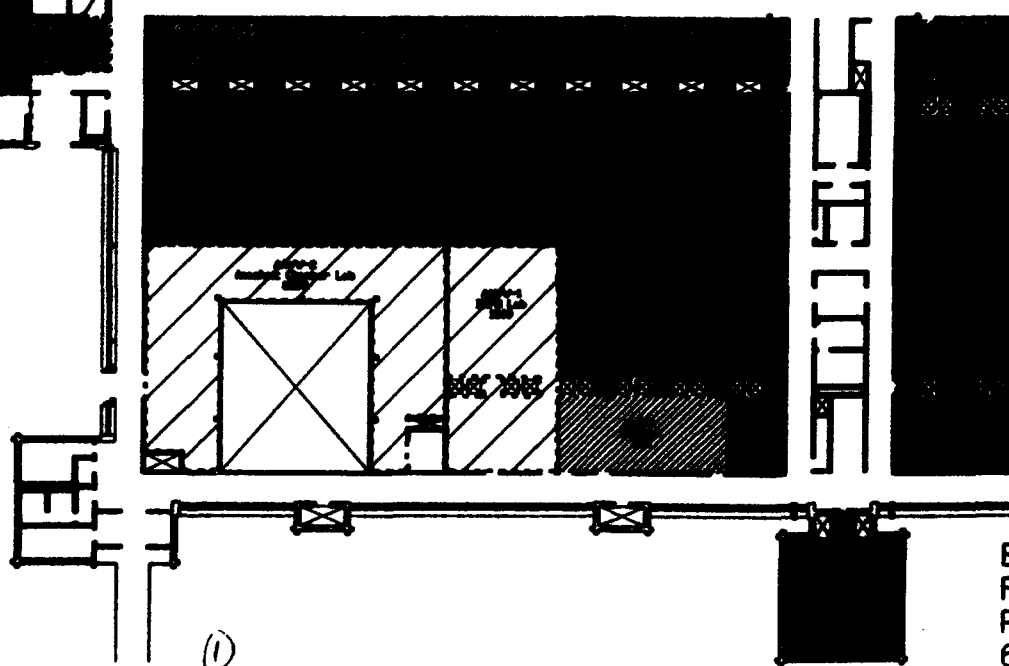
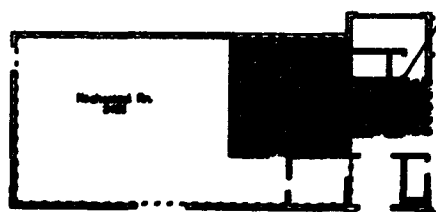


| | |
|-------------------------------------|-------|
| Acoustic Directorate | 1850 |
| Artificial Intel. Tech. Office | 1855 |
| Info. Processing Tech. Branch | 735 |
| Advance Systems Research Group | 5357 |
| Data and Signal Processing Gp | 1284 |
| Passive Acoustic Division | 1704 |
| Radar Branch | 732 |
| Technology Development Group | 5257 |
| Acoustic Facilities Branch | 2395 |
| Acoustic Equipment Group | 2308 |
| EV Requirements & Effects Eval. Br. | 788 |
| EV Requirements Group | 15941 |
| Effectiveness Evaluation Group | 16308 |
| Active Elec Countermeasure Br. | 1458 |
| CE Technology Group | 2462 |
| Countermeasures Concepts Group | 2886 |
| E-B Warfare Group | 1258 |
| AN/SS Elec Computer Support Br. | 2576 |
| Supply Specialist Unit | 885 |
| Safety Office | 282 |
| Electro-Optics Division | 2385 |

AN/SS
Receiving Area
282

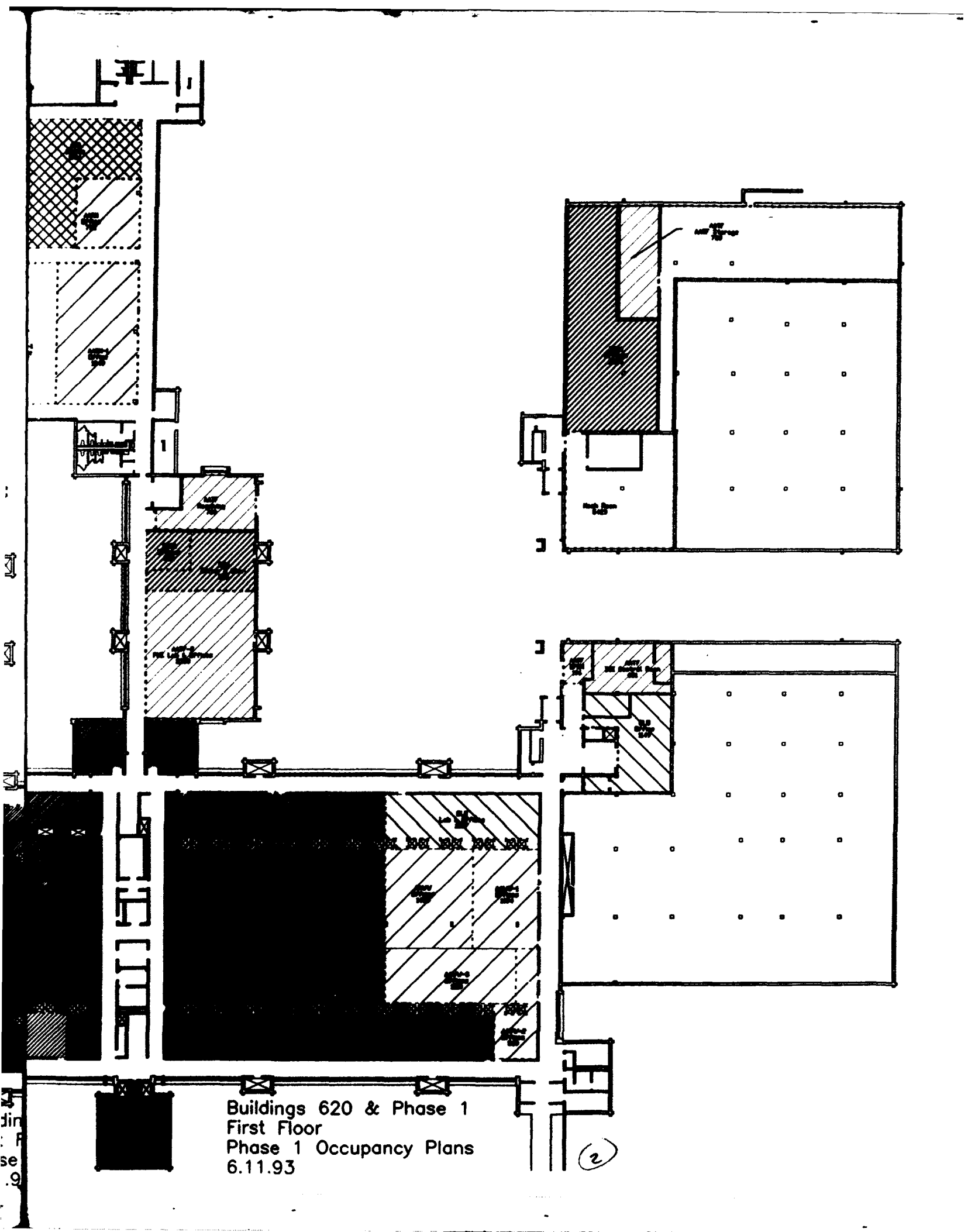
Storage Group Area
79517.57

Storage Group Area
140284.55

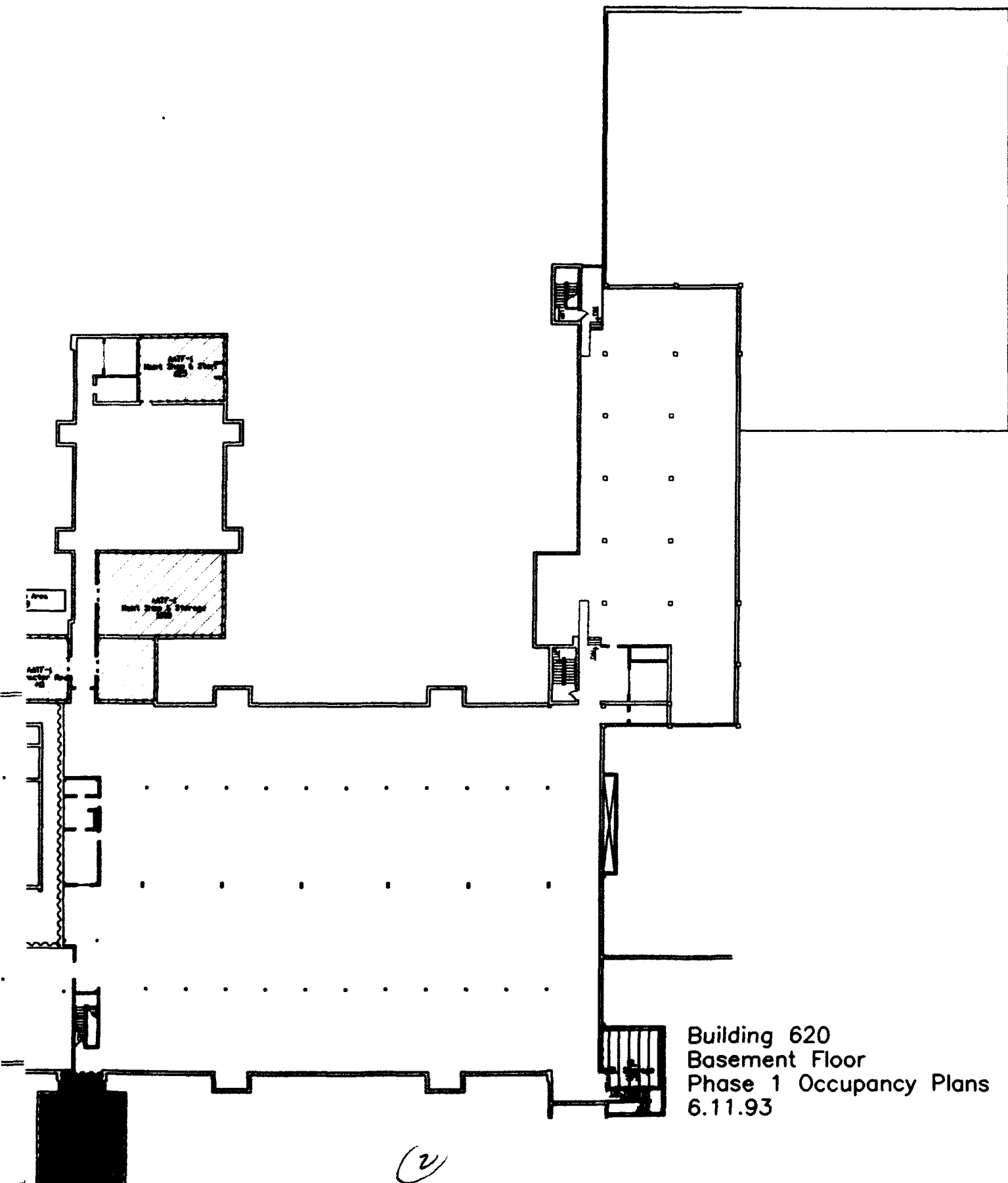


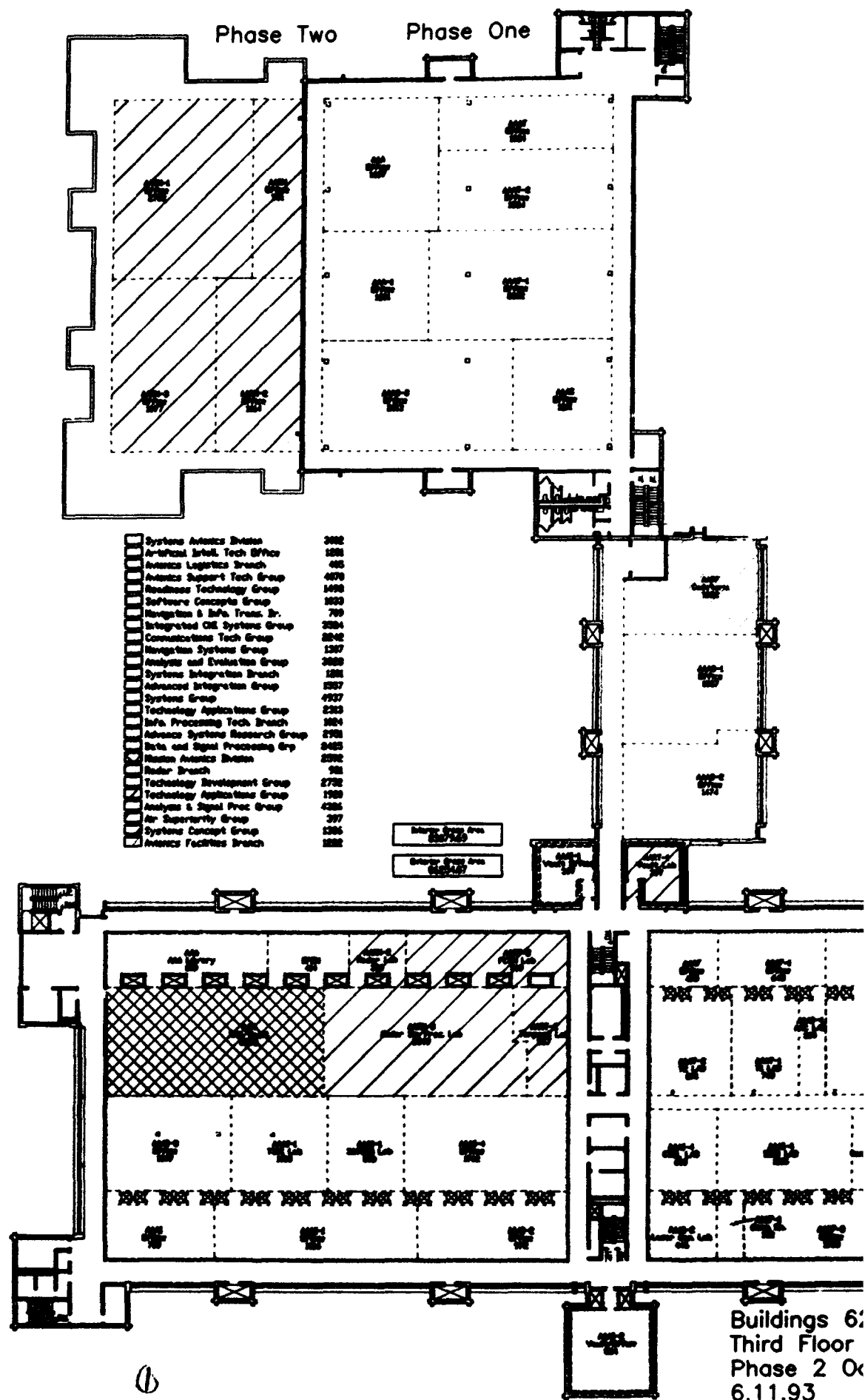
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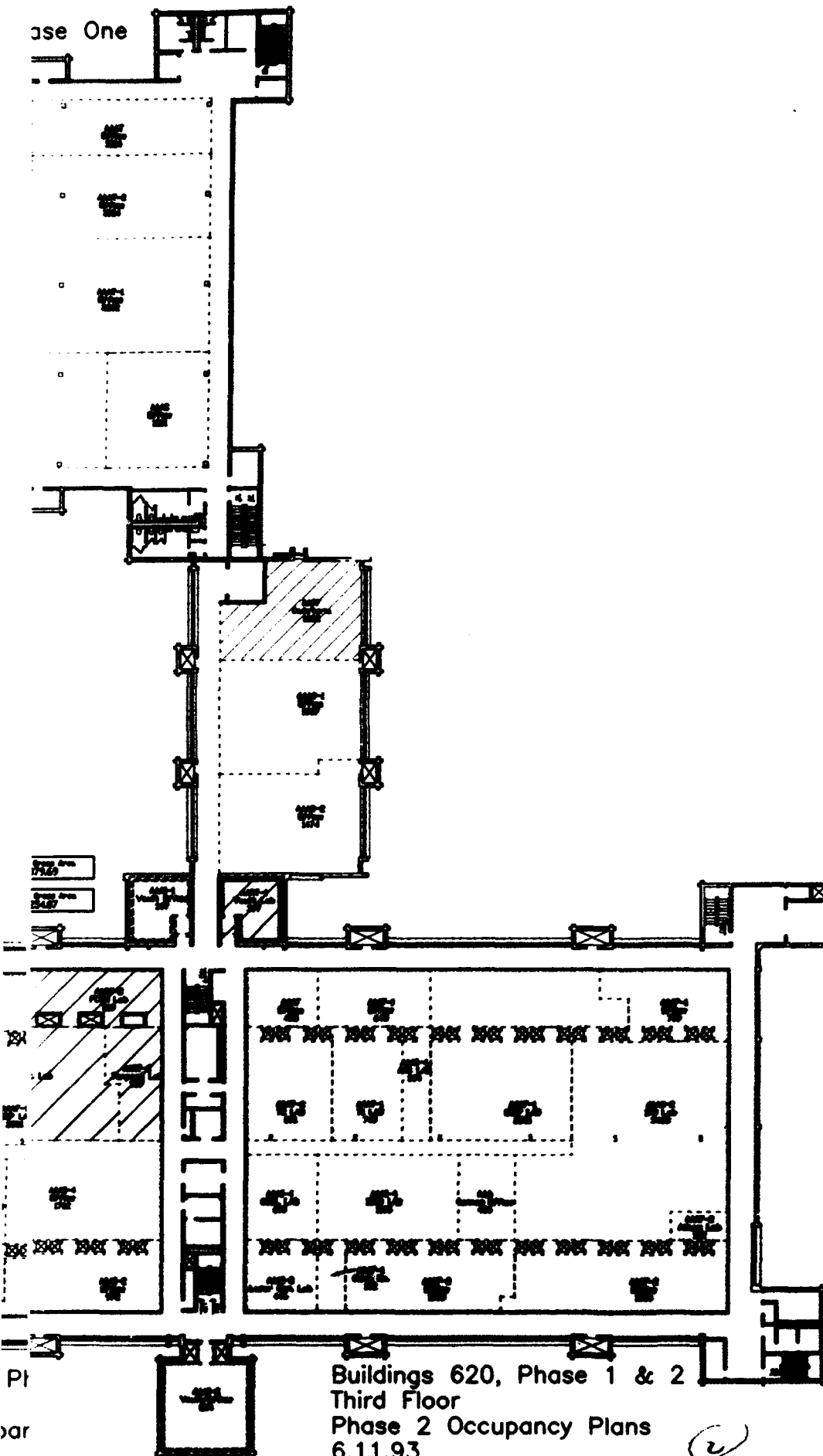


Buildings 620 & Phase 1
First Floor
Phase 1 Occupancy Plans
6.11.93



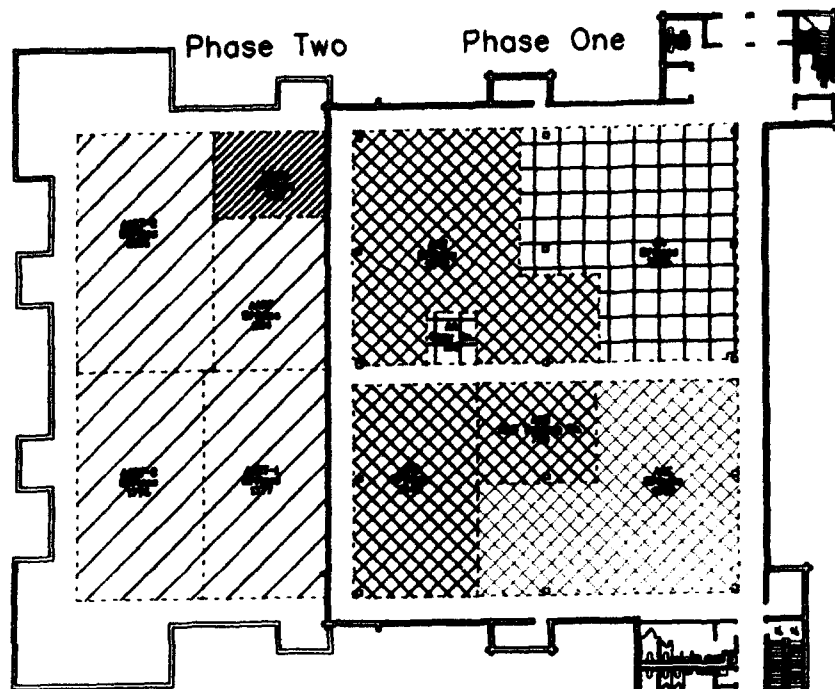


ase One

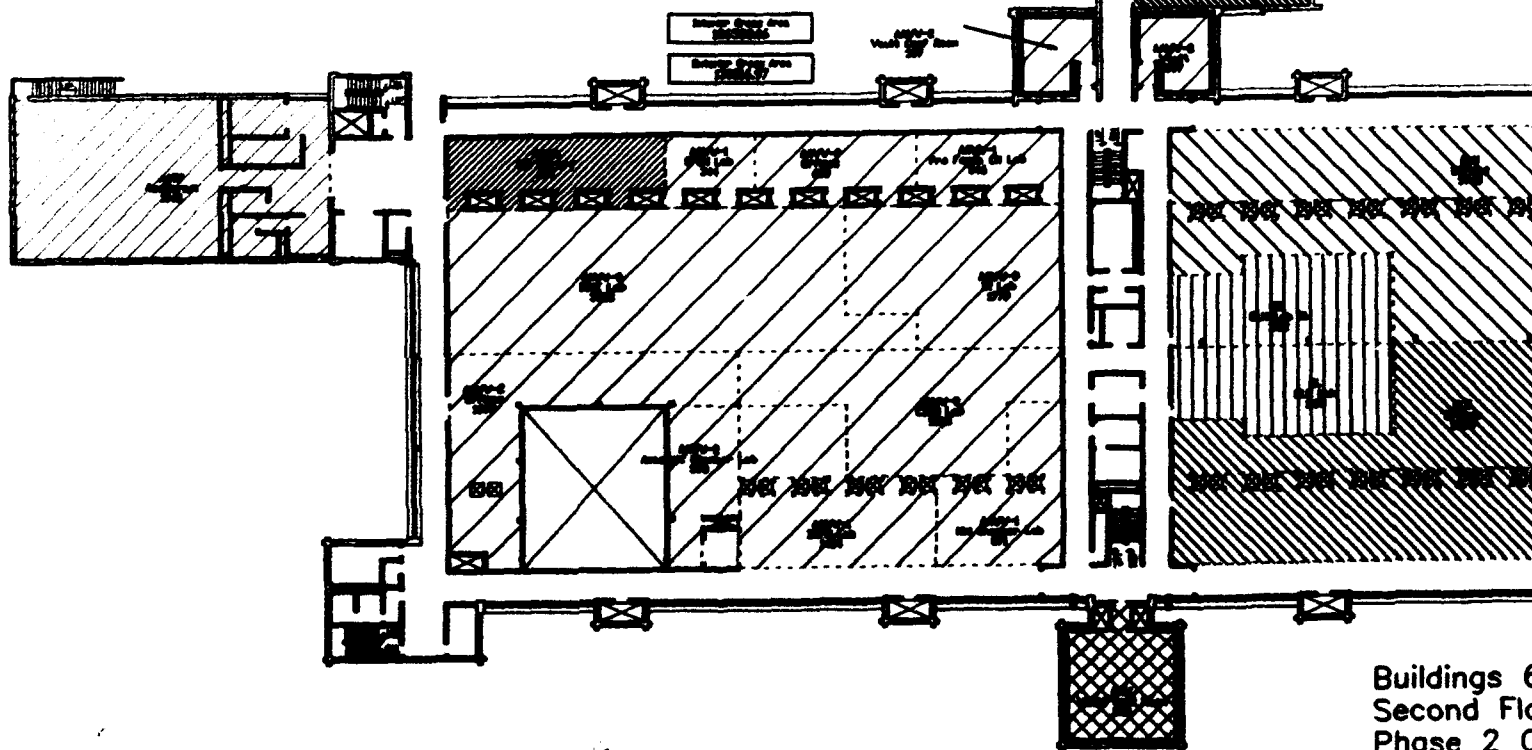


Buildings 620, Phase 1 & 2
Third Floor
Phase 2 Occupancy Plans
6.11.93

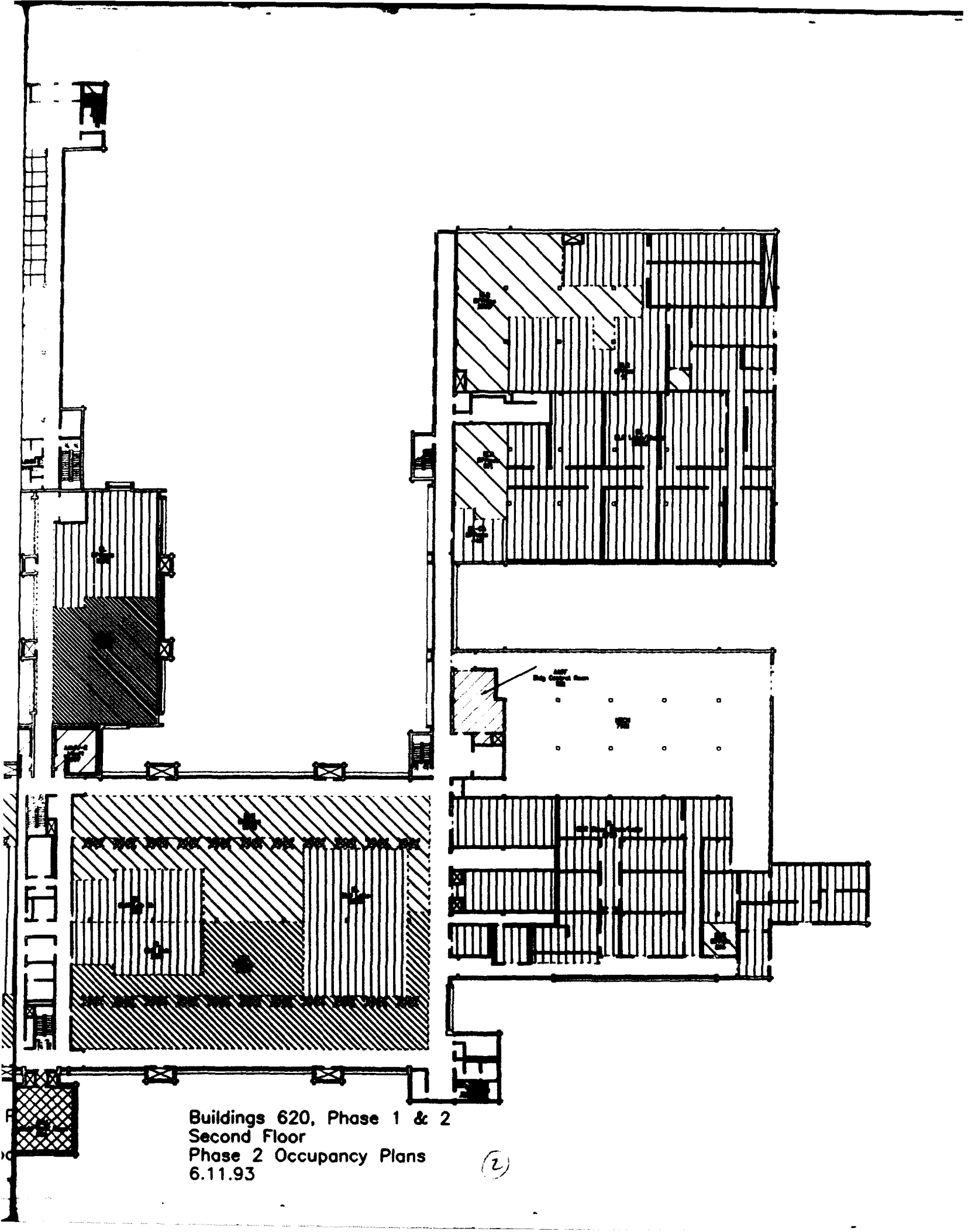
2



| | |
|-------------------------------|------|
| Antennae Structure | 2909 |
| Financial Management Room | 2700 |
| Management Services Room | 2492 |
| Human Resource Room | 1644 |
| Antennae Branch | 1604 |
| Antennae Group | 1777 |
| Systems Control Group | 2826 |
| Surface State Group | 1796 |
| Antennae Facilities Branch | 2697 |
| Electronic Warfare Room | 864 |
| TV Reports & Effects Eval. R. | 864 |
| CH Technology Group | 2896 |
| Communications Center's Group | 4828 |
| T-S Warfare Group | 6188 |
| Antennae Branch | 613 |
| 2nd State Electr. Structure | 2907 |
| Chief Scientist - R. | 446 |
| Operations Room | 2265 |
| Infrastructure Room | 2828 |
| Structure Room | 2743 |
| Research Room | 486 |



Buildings 6
Second Flo
Phase 2 O
6.11.93



Phase Two

Phase One

| | |
|-------------------------------------|-------|
| Avanix Directorate | 1001 |
| Avanix Tech Service Division | 901 |
| Avanix Facilities Branch | 3005 |
| Facilities Maintenance Group | 140 |
| Avanix Equipment Group | 3440 |
| Electronics Warfare Division | 1175 |
| EW Requirements & Effects Eval. Br. | 854 |
| EW Requirements Group | 10774 |
| Effectiveness Evaluation Group | 13412 |
| EW Advanced Development Branch | 1000 |
| EW Advanced Dev Program Group | 1057 |
| EW Warfare Adv Dev Prog Group | 1000 |
| Integrated EW Systems Group | 1033 |
| Active Elec Countermeasures Br. | 1304 |
| CI Technology Group | 1005 |
| Countermeasures Concepts Group | 2004 |
| E-B Warfare Group | 1000 |
| AV/SS Elec Computer Support Br. | 2646 |
| Supportability Office | 704 |
| Supply Specialist Unit | 1007 |
| Security Office | 271 |
| Security Office | 100 |
| Electro-Optics Division | 1000 |
| Research Division | 2676 |

Avanix
Reception Area
100

Interior Group Area
19017.27

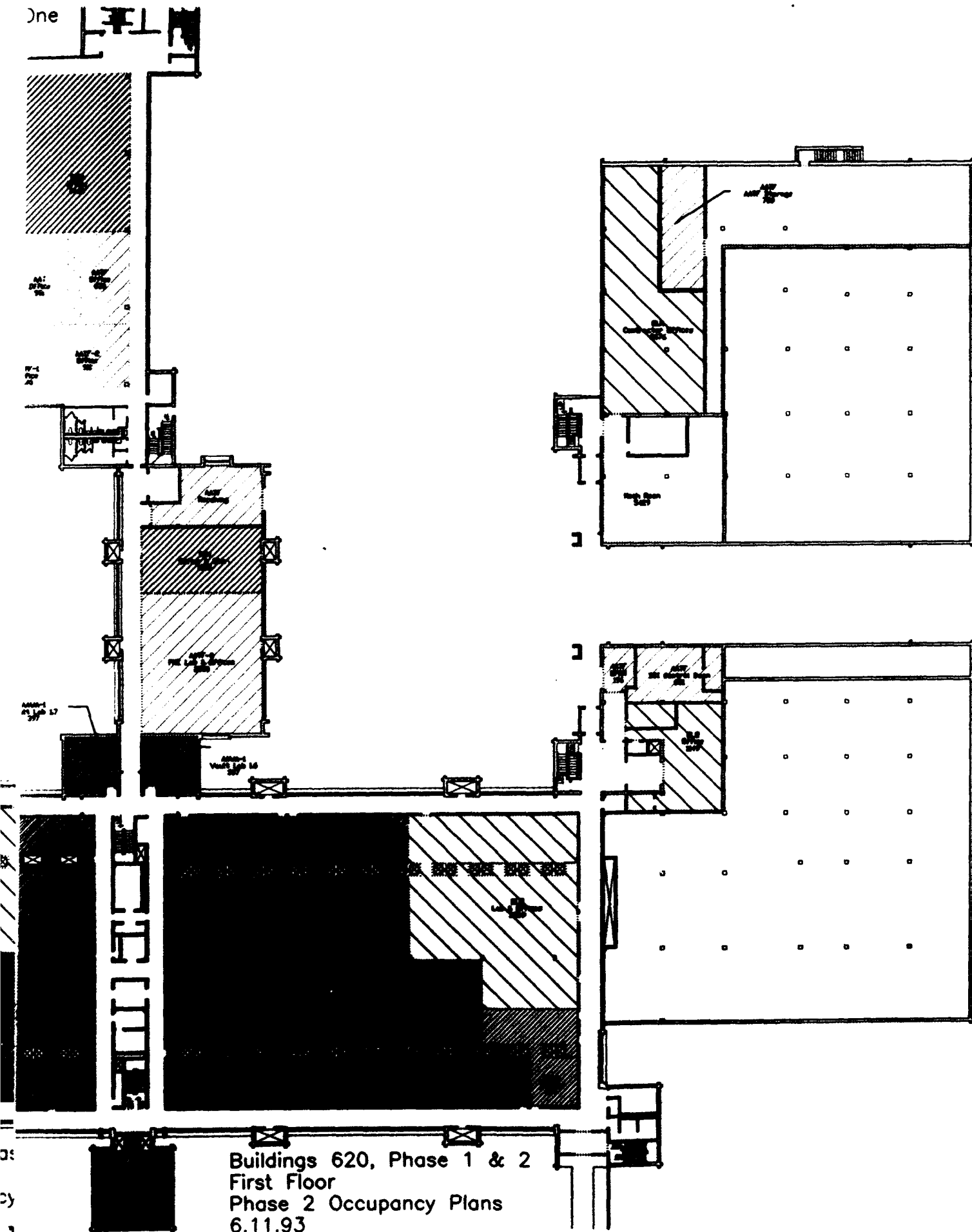
Storage Group Area
19017.27

Avanix-1
Vault Lab 17

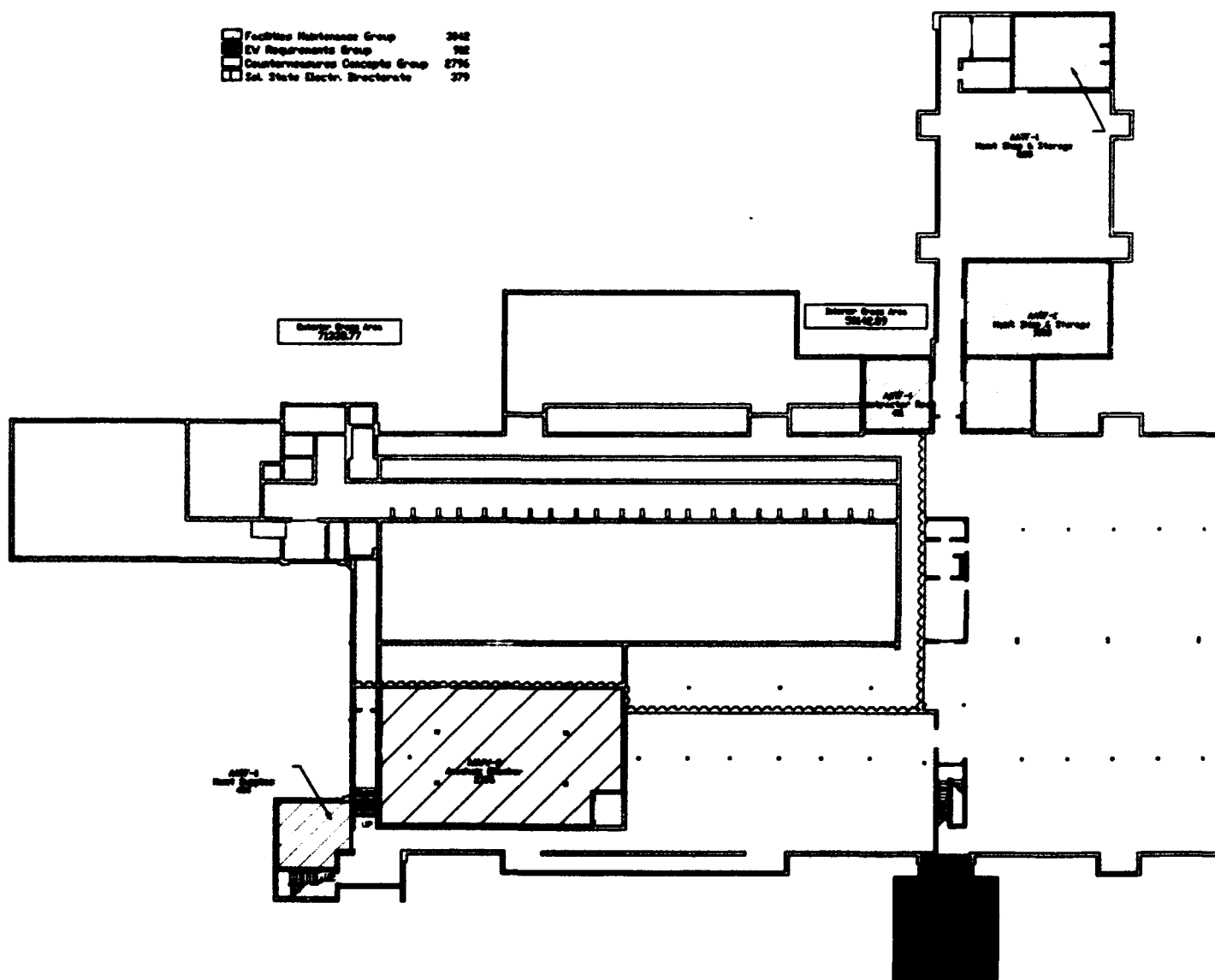
Avanix
Vault Lab 16

Buildings 620,
First Floor
Phase 2 Occu
6.11.93

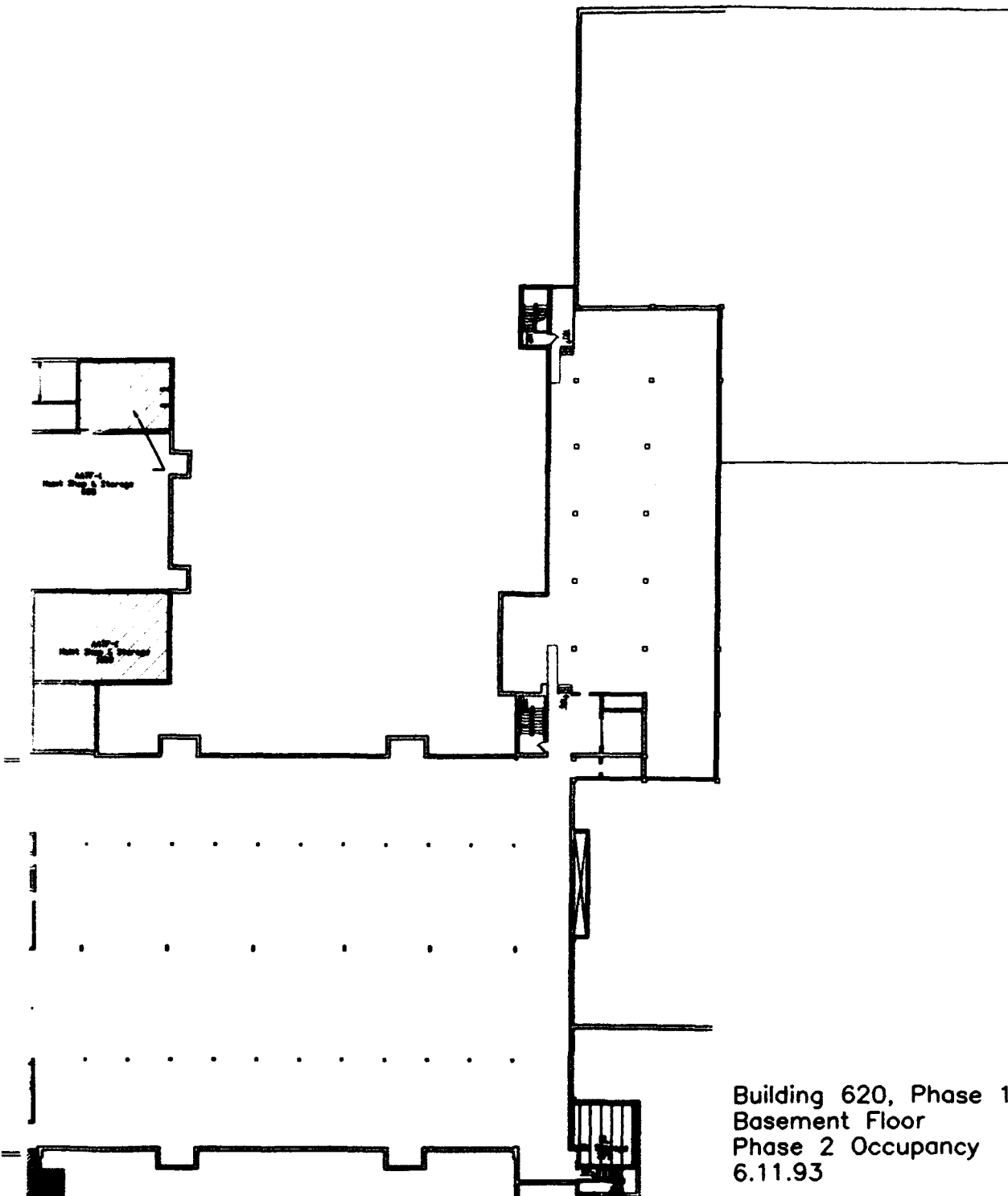
One



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| Facilities Maintenance Group | 3042 |
| EV Requirements Group | 982 |
| Countermeasures Concepts Group | 2796 |
| Sol. State Electr. Directorate | 379 |



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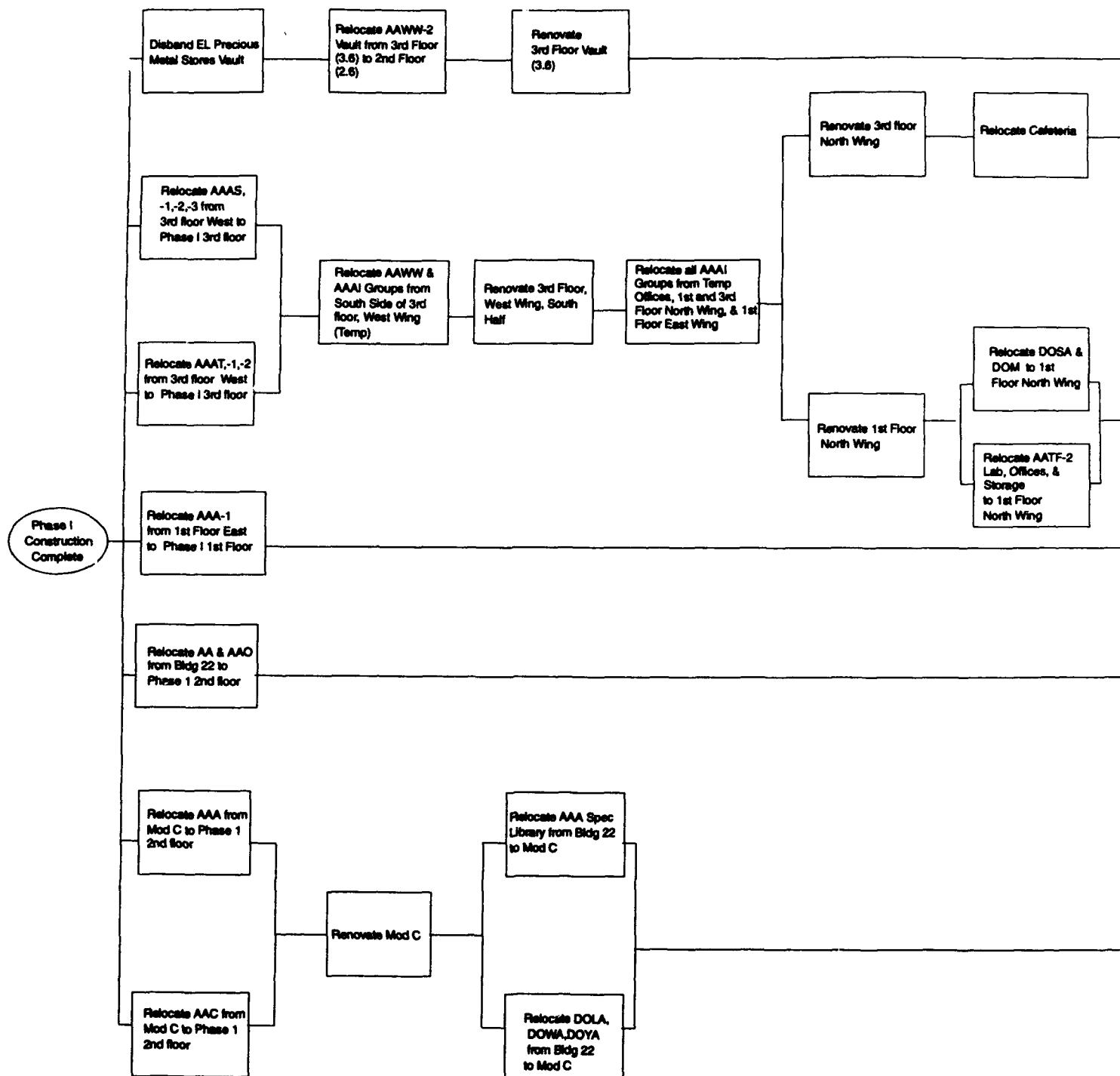


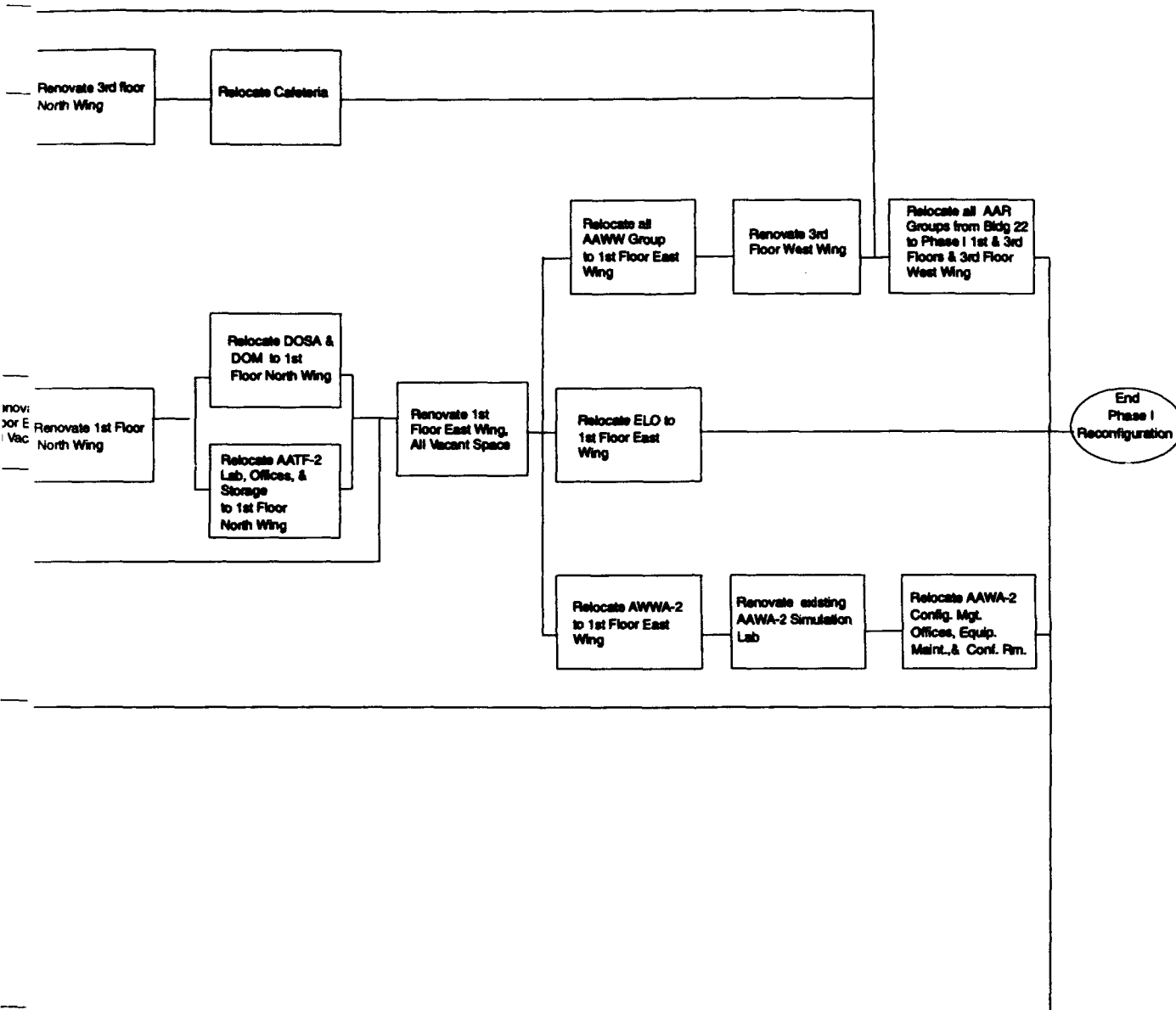
Building 620, Phase 1 & 2
Basement Floor
Phase 2 Occupancy
6.11.93

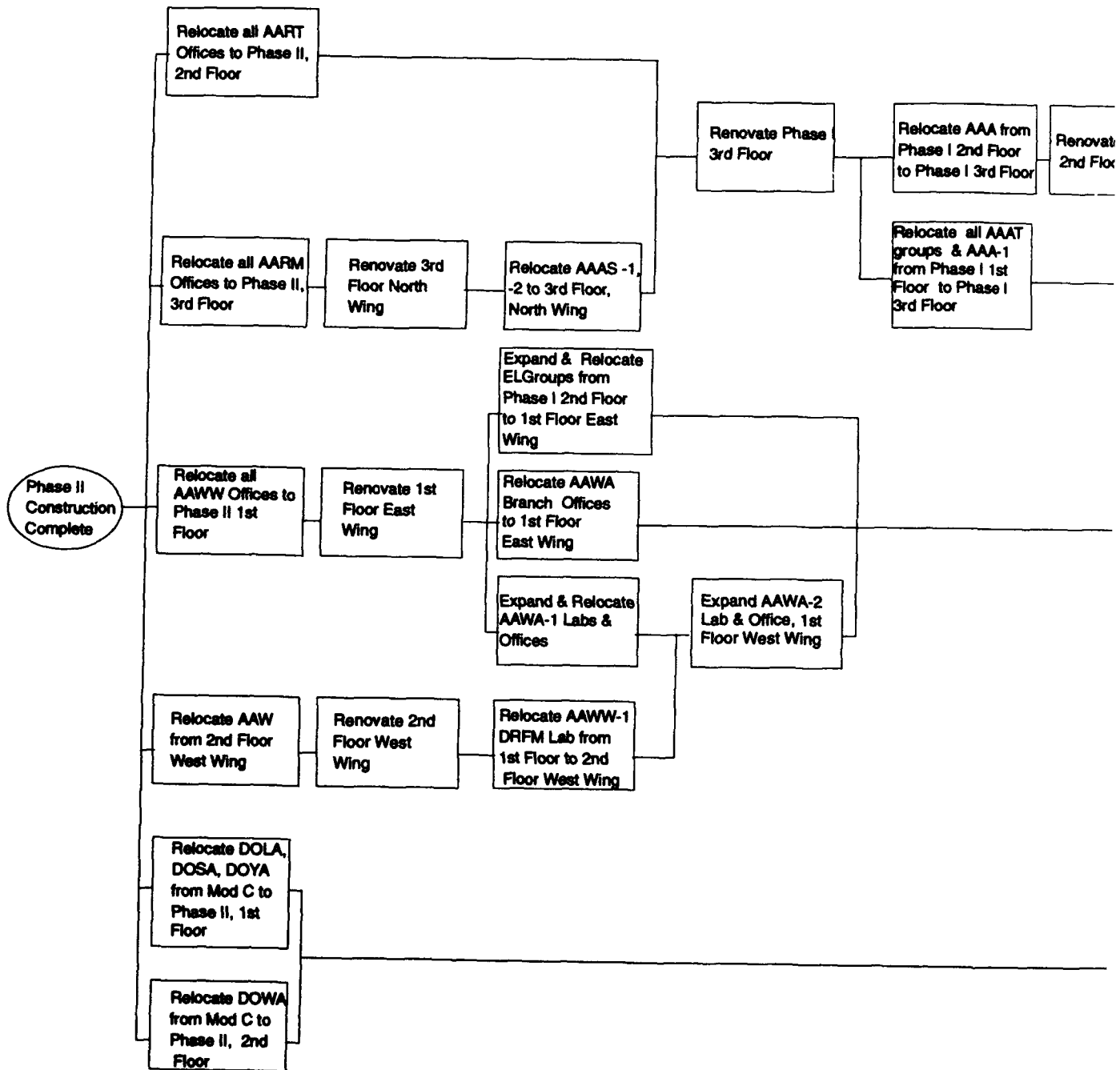
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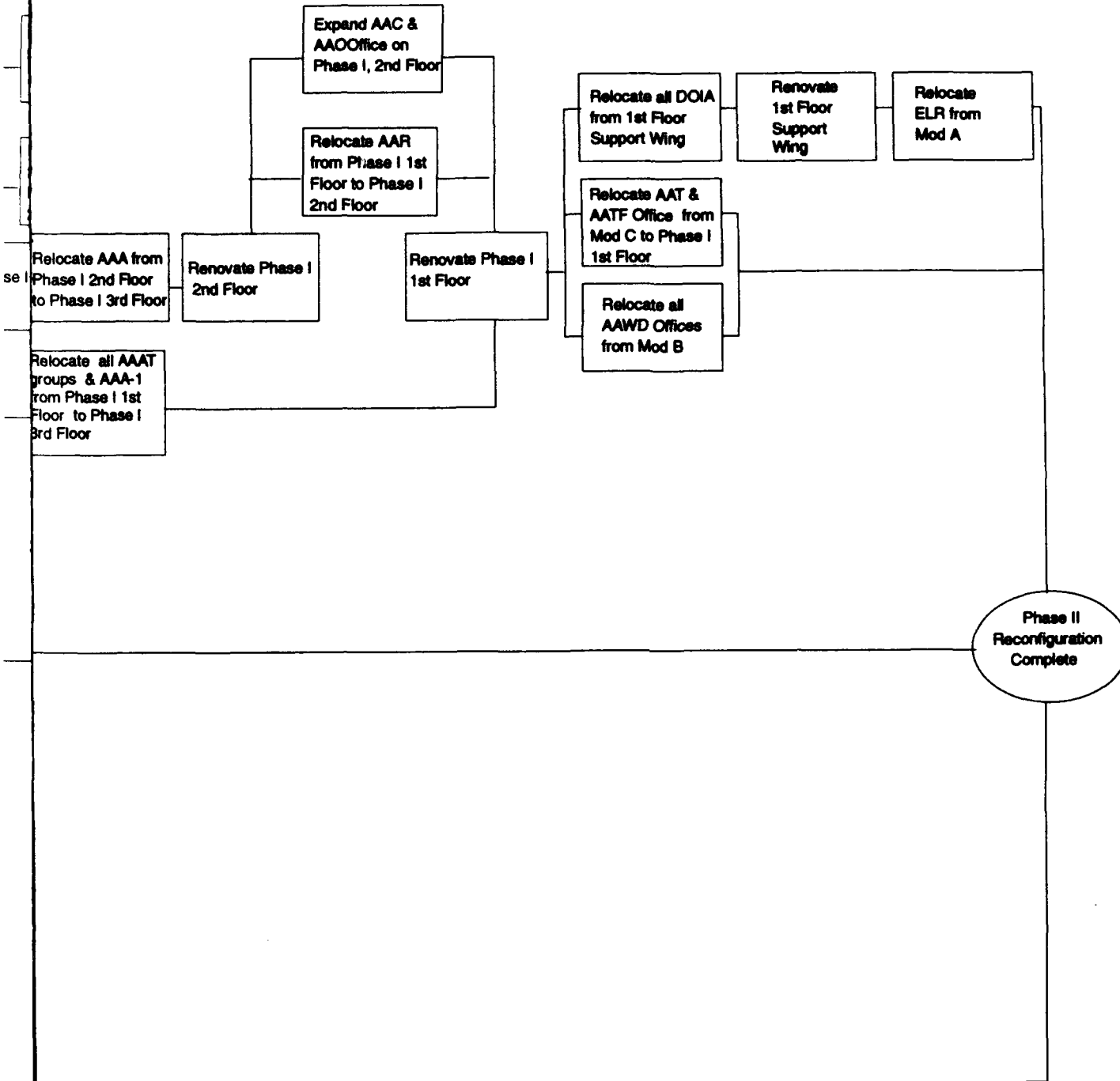
APPENDIX G

Step-by-Step Implementation Strategy









| REPORT DOCUMENTATION PAGE | | | Form Approved OPM No.0704-0188 | |
|--|---|--|---|---|
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